

AD A146 915 MILDENHALL RAF UNITED KINGDOM REVISED UNIFORM SUMMARY
OF SURFACE WEATHER. (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A. APR 84
UNCLASSIFIED USAFETAC/DS 84/016 SBI-AD-E850 742 F/G 4/2

MILDFENHALL RAF UNITED KINGDOM REVISED UNIFORM SUMMARY
OF SURFACE WEATHER. (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A. APR 84
USAFETAC/DS 84/016 SBI-AD-EB50 742 1/G 4/2

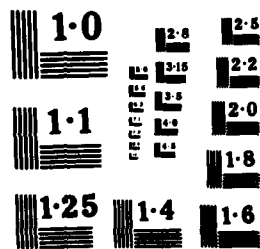
1/5

UNCLASSIFIED

F/G 4/2

NI

[illegible]



OK035771

①

AD-A146 915

DATA PROCESSING DIVISION
USAFETAC
Air Weather Service (MAC)

REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS

MILDETHALL RAF UK MJC #035771
N 52 22 E 000 29 ELEV 33 FT EGUR
PARTS A-F HOURS SUMMARIZED: 0000Z - 2300Z
PERIOD OF RECORD:
HOURLY OBSERVATIONS: DEC 73 - NOV 83
SUMMARY OF DAY DATA: JUL 50 - SEP 54, AUG 56 - NOV 83
TIME CONVERSION GMT TO LST: 0

AWS TECHNICAL
FL 4414
SCOTT AFB IL 6220

23 APR 1984

23 APR 1984

FEDERAL BUILDING
ASHEVILLE, N. C.

DTIC
ELECTE
OCT 29 1984

FILE COPY

REPRODUCED AT GOVERNMENT EXPENSE

DISTRIBUTION STATEMENT A
Approved for public release
Distribution Unlimited

84 10 23 237

REVIEW AND APPROVAL STATEMENT

This report USAFETAC DS-84-016 is approved for public release. There is no objection to unlimited distribution of this report to the public at large, or by reference to Technical Information Center (DTIC) to the National Technical Information Service (NTIS).

This technical report has been reviewed and is approved for publication.

Wayne E. McCollom

WAYNE E. MCCOLLOM
Chief, Technical Information Section
USAFETAC/TST

FOR THE COMMANDER

Walter S. Burgmann

WALTER S. BURGEMANN
Director, Air Weather Service
Technical Library

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM															
1. REPORT NUMBER USAFETAC/DS-84/016	2. GOVT ACCESSION NO. AD-A46 915	3. RECIPIENT'S CATALOG NUMBER															
4. TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSSWO)- Mildenhall RAF, United Kingdom		5. TYPE OF REPORT & PERIOD COVERED Final rept															
7. AUTHOR(s)		6. PERFORMING ORG. REPORT NUMBER															
9. PERFORMING ORGANIZATION NAME AND ADDRESS USAFETAC/OL-A Air Force Environmental Technical Appl. Center Scott AFB, IL 62225		8. CONTRACT OR GRANT NUMBER(s)															
11. CONTROLLING OFFICE NAME AND ADDRESS USAFETAC/CBD Air Weather Service (MAC) Scott AFB, IL 62225		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS															
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		12. REPORT DATE Apr 84															
		13. NUMBER OF PAGES 320															
		15. SECURITY CLASS. (of this report) UNCLASSIFIED															
		15a. DECLASSIFICATION/DOWNGRADING SCHEDULE															
16. DISTRIBUTION STATEMENT (of this Report) Approved for public release; distribution unlimited.																	
17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)																	
18. SUPPLEMENTARY NOTES SUPERSEDES REPT. NO. USAFETAC/DS-79/095, AD-A078 346, DEC 78.																	
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) <table border="0"> <tr> <td>*RUSSWO</td> <td>Daily temperatures</td> <td>Atmospheric pressure</td> </tr> <tr> <td>Snowfall</td> <td>Extreme snow depth</td> <td>Extreme surface winds</td> </tr> <tr> <td>Climatology</td> <td>Sea-level pressure</td> <td>Psychrometric summary</td> </tr> <tr> <td>Surface Winds</td> <td>Extreme temperature</td> <td>Ceiling versus visibility</td> </tr> <tr> <td>Relative Humidity</td> <td>*Climatological data</td> <td>(over)</td> </tr> </table>			*RUSSWO	Daily temperatures	Atmospheric pressure	Snowfall	Extreme snow depth	Extreme surface winds	Climatology	Sea-level pressure	Psychrometric summary	Surface Winds	Extreme temperature	Ceiling versus visibility	Relative Humidity	*Climatological data	(over)
*RUSSWO	Daily temperatures	Atmospheric pressure															
Snowfall	Extreme snow depth	Extreme surface winds															
Climatology	Sea-level pressure	Psychrometric summary															
Surface Winds	Extreme temperature	Ceiling versus visibility															
Relative Humidity	*Climatological data	(over)															
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) <p>This report is a six-part statistical summary of surface weather observations for Mildenhall RAF, United Kingdom.</p> <p>It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (Daily amounts and extreme values); (C) Surface winds; (D) Ceiling versus Visibility; Sky Cover; (E) Psychrometric (over)</p>																	

DD FORM 1 JAN 73 1473

EDITION OF 1 NOV 65 IS OBSOLETE

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE(When Data Entered)

19. Percentage frequency of distribution tables
Dry-bulb temperature versus wet-bulb temperature
Cumulative percentage frequency of distribution tables
*United Kingdom *Mildenhall RAF *UK035771
*Mildenhall *Great Britain

20. Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb and dew point temperatures and relative humidity); and (F) Pressure Summary (means, standard, deviations, and observation counts of station pressure and sea-level pressure). Data in this report are presented in tabular form, in most cases in percentage frequency of occurrence or cumulative percentage frequency of occurring tables.

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE(When Data Entered)

STATION NO OR SUMMARY		STATION NAME		LATITUDE		LONGITUDE		FIELD ELEV. (FT.)		CALL SIGN		WFO NUMBER	
035771		MILDENHALL RAF STN ENGLAND		N 52 22		E 000 29		33		EGUN			
STATION LOCATION AND INSTRUMENTATION HISTORY													
NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE WSL		OBS PER DAY				
			FROM	TO			FIELD (FT)	HT. BARS.					
1	Mildenhall, England	RAF	Jul 51	Mar 54	N 52 22	E 000 28	38	32	24				
2	Same	Same	Apr 54	Oct 54	Same	Same	38	27	24				
3	Same	Same	Apr 56	Oct 56	Same	Same	43	59	9				
4	Same	Same	Nov 56	Mar 57	Same	Same	Same	Same	24				
5	Same	Same	Apr 57	Mar 60	N 52 22	E 000 29	Same	Same	24				
6	Same	Same	Apr 60	Mar 64	Same	Same	40	Same	24				
7	Same	Same	Apr 64	Nov 65	Same	Same	Same	Same	17-18				
8	Same	Same	Dec 65	Jul 67	Same	Same	Same	Same	24				
9	Same	Same	Aug 67	Nov 67	Same	Same	Same	57	24				
10	Same	Same	Dec 67	Mar 69	Same	Same	Same	56	24				
11	Same	Same	Apr 69	Dec 73	Same	Same	33	Same	24				
12	Same	Same	Jan 74	Aug 78	Same	Same	Same	Same	24				
13	Same	Same	Sep 78	Jan 84	Same	Same	Same	Same	24				

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Jul 51	Located on top of bldg in which the vx stn was located	AN/GMQ-1	None	35 Ft	
2	Apr 54	Located on steel tower approx 10 ft from vx stn	Same	None	24 Ft	
3	May 56	Located on top of control tower	Same	None	60 Ft	
4	Apr 57	Located on top of the control tower	AN/GMQ-1	None	70 Ft	
5	Apr 58	Located 500 ft N of tower	Same	None	13 Ft	
6	Apr 59	Located 1500 Ft E of control tower, 500 ft N of runway 29/11	AN/GMQ-11	RO-2	15 Ft	
7	Apr 60	Located 885 yds E of control tower, along runway 29/11	Same	Same	Same	

USAFETAC

FORM NOV 73

0-19 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

CONTINUED ON REVERSE SIDE

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT. ABOVE GROUND	
8	Apr 69	Dual Instrumented 1. Rwy 29, 500 ft from centerline, 1500 ft from end of rwy 2. Rwy 11, 500 ft from centerline, 150 ft from end of rwy	AN/GMQ-11	RO-2	13 Ft	
			AN/GMQ-20	RO-362	13 Ft	
9	Jan 71	Dual Instrumented 1. 500 ft from the centerline, 1124 ft from end of rwy 29 2. 500 ft from the centerline, 1564 ft from end of rwy 11	AN/GMQ-20	RO-362	13 Ft	
			AN/GMQ-20	RO-362	13 Ft	
10	Aug 78	1. Same 2. Same	Same Same	Same Same	Same Same	
11	Jan 84	1. Same 2. Same	Same Same	Same Same	Same Same	

MAC-4 REV. 12-66-200

The number that identifies the station in this summary is an AWS Master Station Catalog number. This number is comprised of the WMO number with the addition of a suffix zero; or, in cases where there is no designated WMO number, a 5-digit number created in agreement with WMO rules, plus a sixth qualifying digit. These numbers (also referred to as DATSAV or USAFETAC numbers) uniquely identify each of more than 15,000 reporting stations around the world. This is the provenance of the number (e.g., MSC 999999) which will appear on future OL-A standard products.

Accession For	
NTIS GRA&I	<input checked="checked" type="checkbox"/>
DTIC TAB	<input type="checkbox"/>
Unannounced	<input type="checkbox"/>
Justification	
By _____	
Distribution/	
Availability Codes	
Dist	Avail and/or Special
A-1	

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

PART C SURFACE WINDS

PART D CEILING VERSUS VISIBILITY

SKYCOVER DATA NOT AVAILABLE

PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC DRY VS WET BULB

MEAN & STD DEV (DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE DATA NOT AVAILABLE

STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0300, 0300-0600, 0600-0900, 0900-1200, 1200-1500, 1500-1800, 1800-2100, 2100-2400 hours local standard time.

MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY _____
FEBRUARY _____
MARCH _____

APRIL _____
MAY _____
JUNE _____

JULY _____
AUGUST _____
SEPTEMBER _____

OCTOBER _____
NOVEMBER _____
DECEMBER _____

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

A

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

015771
STATION

MILDENHALL RAF UK

STATION NAME

74-83

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF WITH TO VIS	TOTAL O. OF OBS.
JAN	00-02		12.0		1.6		13.0	21.8	11.6			33.4	930
	03-05	.1	12.6		2.5		14.8	20.3	10.3			30.6	930
	06-08		13.8		3.4	.1	16.5	19.8	10.4			30.2	930
	09-11		12.5	.3	4.4		16.2	17.0	14.8			31.8	930
	12-14		12.8	.2	5.3		17.0	11.6	14.9			26.6	930
	15-17		14.0	.1	3.5		16.5	13.2	17.8			31.1	930
	18-20		10.3		3.3		12.7	17.3	17.4			34.7	930
	21-23		9.8		2.4		11.5	20.4	13.1			33.5	930
TOTALS		.0	12.2	.1	3.3	.0	14.8	17.7	13.8			31.5	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

035771 MILDENHALL RAF UK

74-83

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	00-02		11.2	.1	2.6		13.4	26.2	20.8			47.0	846
	03-05		11.1	.2	3.0		14.2	28.4	18.6			46.9	846
	06-08		10.3	.7	3.2		13.5	29.9	17.3			47.2	846
	09-11		9.3	.2	4.6		13.8	25.1	22.0	.1		47.2	846
	12-14		11.6		3.9		14.5	13.0	24.2			37.2	846
	15-17	.1	15.2		2.7	.1	18.1	10.6	25.3			35.9	846
	18-20	.1	14.3	.1	2.7		16.7	15.2	27.5			42.8	846
	21-23		11.8	.2	2.7		14.1	19.6	24.1			43.7	846
TOTALS		.0	11.9	.2	3.2	.0	14.8	21.0	22.5	.0		43.5	6768

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

035771 MILDENHALL RAF UK 74-83 MAR
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAR	00-02		15.1		.6		15.4	16.8	12.6			29.4	930
	03-05		15.2		2.2		16.5	21.0	11.3			32.3	930
	06-08		15.2		2.7		16.6	21.7	17.0			38.7	930
	09-11		17.1		3.4		18.6	13.3	18.5			31.8	930
	12-14	.4	18.7		1.7	.2	18.9	4.8	17.1		.1	22.0	930
	15-17	.4	17.6		1.1	.2	18.3	4.3	14.8			19.1	930
	18-20		18.2		.3		18.3	6.9	14.9			21.8	930
	21-23		16.5		.3		16.6	10.8	14.4			25.2	930
TOTALS		.1	16.6		1.5	.1	17.5	12.5	15.1		.0	27.5	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

035771 MILDENHALL RAF UK

74-83

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	00-02		9.0		1.0		9.4	13.2	13.6			26.8	900
	03-05		11.8		.9		12.3	21.3	14.3			35.7	900
	06-08		13.8		1.0		14.3	21.2	19.9			41.1	900
	09-11		12.4		.6		12.7	7.7	16.1			23.8	900
	12-14		12.0		1.1	.1	12.7	2.4	10.8			13.2	900
	15-17	.4	12.8		1.1		13.2	1.1	9.1			10.2	900
	18-20	.3	12.1		.7		12.3	2.2	15.4			17.7	900
	21-23		9.4		1.4		10.1	6.3	15.0			21.3	900
TOTALS		.1	11.7		1.0	.0	12.1	9.4	14.3			23.7	7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

WEATHER CONDITIONS

035771 MILDENHALL RAF UK

74-83

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	00-02	.2	10.6				10.6	14.1	10.8			24.8	930
	03-05		10.1				10.1	25.1	14.2			39.2	930
	06-08	.1	9.7		.2		9.7	19.8	18.6			38.4	930
	09-11	.2	9.4				9.4	5.1	14.2			19.2	930
	12-14	1.5	12.6				12.6	1.1	9.0			10.1	930
	15-17	1.5	13.8				13.8	1.0	7.8			8.8	930
	18-20	.5	8.7				8.7	3.0	12.2			15.2	930
	21-23	.2	10.1		.1		10.1	6.7	10.9			17.5	930
TOTALS		.5	10.6		.0		10.6	9.5	12.2			21.7	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

035771 MILDENHALL RAF UK 74-83 JUN
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	00-02	.8	9.0				9.0	12.0	12.7			24.7	900
	03-05	.6	10.9				10.9	25.4	16.3			41.8	900
	06-08	.4	9.0				9.0	16.4	19.2			35.7	900
	09-11	.1	7.9		.1		8.0	3.1	11.1			14.2	900
	12-14	2.0	8.8			.2	9.0	.4	6.0			6.4	900
	15-17	2.7	10.9				10.9	.3	5.4			5.8	900
	18-20	.9	7.7				7.7	1.2	9.0			10.2	900
	21-23	.4	8.8				8.8	4.6	12.9			17.4	900
TOTALS		1.0	9.1		.0	.0	9.2	7.9	11.6			19.5	7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

035771
STATION

MILDENHALL RAF UK
STATION NAME

74-83
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	00-02	.2	4.9				4.9	13.4	11.0			24.4	930
	03-05	.5	7.2				7.2	23.7	15.4			39.0	930
	06-08	.5	7.8				7.8	14.7	16.9			31.6	930
	09-11	.4	7.5				7.5	4.3	11.9			16.2	930
	12-14	.8	7.7				7.7	1.0	8.4			9.4	930
	15-17	1.2	8.2				8.2	.6	7.0			7.6	930
	18-20	1.0	6.9				6.9	1.7	8.3			10.0	930
	21-23	.4	6.8				6.8	6.7	9.7			16.3	930
TOTALS		.6	7.1				7.1	8.3	11.1			19.3	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

75771

MILDENHALL RAF UK

74-83

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	00-02	.1	6.9				6.9	21.9	12.8			34.7	930
	03-05	.3	8.4				8.4	37.2	10.8			48.0	930
	06-08		7.8				7.8	31.0	16.7			47.6	930
	09-11	.2	8.2				8.2	6.5	14.1			20.5	930
	12-14	.5	8.6				8.6	2.3	8.7			11.0	930
	15-17	1.5	9.9				9.9	1.5	7.6			9.1	930
	18-20	1.4	7.2				7.2	3.2	13.5			16.8	930
	21-23	.3	7.1				7.1	9.7	15.4			25.1	930
TOTALS		.5	8.0				8.0	14.2	12.5			26.6	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

035771 MILDENHALL RAF UK 74-83 SEP
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	00-02	.3	9.8				9.8	15.3	15.9			31.2	900
	03-05	.1	10.8				10.8	24.4	12.0			36.4	900
	06-08		9.9				9.9	26.7	16.8			43.4	900
	09-11		9.8				9.8	7.4	15.2			22.7	900
	12-14	.3	9.4				9.4	2.0	10.1			12.1	900
	15-17	1.4	9.1				9.1	2.2	11.3			13.6	900
	18-20	.2	8.3				8.3	4.8	17.8			22.6	900
	21-23		8.4				8.4	10.6	18.0			28.6	900
TOTALS		.3	9.4				9.4	11.7	14.6			26.3	7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

035771

MILDENHALL RAF UK

74-83

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	00-02		13.7				13.7	26.7	9.0			35.7	930
	03-05		12.6				12.6	32.6	8.0			42.6	929
	06-08		12.3				12.3	34.5	10.8			45.3	930
	09-11	.2	14.1		.2		14.1	16.7	15.2			31.8	930
	12-14	.1	12.3				12.3	6.3	11.3			17.6	930
	15-17	.3	14.7				14.7	4.6	14.1			18.7	930
	18-20		15.4				15.4	12.0	15.9			28.0	930
	21-23	.2	13.3				13.3	18.7	11.4			30.1	930
TOTALS		.1	13.6		.0		13.6	19.0	12.0			31.0	7439

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

C35771
STATION

MILDENHALL RAF UK
STATION NAME

74-83
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	00-02		10.6		.4		11.0	21.7	12.6			34.2	900
	03-05		12.3		.9		13.0	23.1	10.4			33.6	900
	06-08		15.2		1.1		16.1	24.3	7.4			31.8	900
	09-11		16.4		1.0		17.1	19.2	12.4			31.7	900
	12-14		15.1		.4		15.4	12.4	12.0			24.4	900
	15-17		15.8		.3		16.1	12.6	14.8			27.3	900
	18-20		11.2				11.2	16.3	15.4			31.8	900
	21-23	.1	9.4		.6		9.8	20.7	15.8			36.4	900
TOTALS		.0	13.3		.6		13.7	18.8	12.6			31.4	7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

C35771 MILDENHALL RAF UK

73-82

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	00-02		13.9		1.7		11.8	26.8	10.0			36.8	930
	03-05	.1	13.2		2.6		14.7	24.1	10.5			34.6	930
	06-08		12.9		2.2		14.4	22.3	8.7			31.0	930
	09-11		13.1		1.8		14.4	22.9	12.3			35.2	930
	12-14		10.5		2.2		12.4	16.2	17.1			33.3	930
	15-17		11.1		2.4		12.9	18.2	17.5			35.7	930
	18-20		11.1		2.3		12.5	22.4	13.7			36.0	930
	21-23		11.0		1.9		12.0	26.0	10.9			36.9	930
TOTALS		.0	11.7		2.1		13.1	22.4	12.6			34.9	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

035771

MILDENHALL RAF UK

73-83

ALL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL	.0	12.2	.1	3.3	.0	14.8	17.7	13.8			31.5	7440
FEB		.0	11.9	.2	3.2	.0	14.8	21.0	22.5	.0		43.5	6768
MAR		.1	16.6		1.5	.1	17.5	12.5	15.1		.0	27.5	7440
APR		.1	11.7		1.0	.0	12.1	9.4	14.3			23.7	7200
MAY		.5	10.6		.0		10.6	9.5	12.2			21.7	7440
JUN		1.0	9.1		.0	.0	9.2	7.9	11.6			19.5	7200
JUL		.6	7.1				7.1	8.3	11.1			19.3	7440
AUG		.5	8.0				8.0	14.2	12.5			26.6	7440
SEP		.3	9.4				9.4	11.7	14.6			26.3	7200
OCT		.1	13.6		.0		13.6	19.0	12.0			31.0	7439
NOV		.0	13.3		.6		13.7	18.8	12.6			31.4	7200
DEC		.0	11.7		2.1		13.1	22.4	12.6			34.9	7440
TOTALS		.3	11.3	.0	1.0	.0	12.0	14.4	13.7	.0	.0	28.1	87647

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WEAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.
- (2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
- (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than $\frac{5}{8}$ mile.

GLOBAL CLIMATOLOGY BRANCH
 00740
 METEOROLOGICAL SERVICE/MAC

XX **WEATHER CONDITIONS**
 XXXXXXXXXXXXXXXXXXXXXXXXXXXX
 ATMOSPHERIC PHENOMENA

STATION MILDENHALL RAF STATION NAME 56-33 YEARS ALL MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
 FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY	.3	61.2	1.1	12.1	.7	59.1	52.7	75.4	.3		74.0	961
FEB		.3	54.0	.6	12.3	.7	54.1	54.5	81.0	.6		67.0	975
MAR		2.1	50.3		12.6	2.1	64.7	46.1	73.1		.2	61.7	961
APR		1.1	62.2		6.7	2.7	62.0	77.5	71.3			75.6	970
MAY		2.8	61.4		.7	1.2	61.4	78.1	74.1			74.0	933
JUN		1.4	63.7		.1	.0	53.7	75.1	66.7			71.6	930
JUL		2.7	56.2			.6	56.2	79.7	71.4			75.8	970
AUG		1.8	50.1			.0	56.1	72.3	75.7			60.0	1010
SEP		1.4	56.7				56.0	72.3	72.9			79.3	976
OCT		1.4	55.4		.1	.2	55.9	61.9	74.3			63.4	984
NOV		.6	67.1	.1	4.0	.5	67.9	56.3	72.9			61.1	961
DEC		.1	63.3	.7	11.0	.4	63.1	58.1	71.1	.2		64.1	961
TOTALS		4.3	59.2	.2	6.3	.2	61.3	40.8	73.2	.1	.0	70.8	12473

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

(PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This part of the U-Form Summary consists of eight summaries derived from daily observations as follows:

1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

EXTREME DAILY PRECIPITATION	".00"	equals none for the month (hundredths)
EXTREME DAILY SNOWFALL	".0"	equals none for the month (tenths)
EXTREME DAILY SNOW DEPTH	"0"	equals none for the month (whole inches)

3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

(Continued on Reverse Side

Values for means and standard deviations do not include measurements from incomplete months.

- NOTES: (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
- (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:

Beginning thru 1945 at 0800LST
Jan 46-May 57 at 1230GMT
Jun 57-present at 1200GMT

U. S. Navy and National Weather Service (USWB)

Beginning thru Jun 52 at 0030GMT
Jul 52-May 57 at 1230GMT
Jun 57-present at 1200GMT

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

035771 MILDENHALL RAF UK

50-54, 56-83

STATION

STATION NAME

YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	30.5	20.8	5.8	16.2	10.2	11.1	4.2	1.1	.1					48.7	958	1.75	3.74	.41
FEB	35.0	22.2	5.0	13.3	8.5	10.0	4.7	1.3	.1					42.8	874	1.52	3.51	.10
MAR	33.4	20.4	5.5	14.1	9.6	10.8	4.9	1.3						46.1	960	1.68	3.52	.28
APR	36.2	21.1	5.1	13.5	7.4	10.9	4.8	.9	.1					42.7	930	1.53	3.38	.07
MAY	37.7	19.2	6.2	12.0	7.5	10.9	4.6	1.7	.3					43.1	937	2.01	4.49	.05
JUN	45.4	18.3	5.0	10.2	4.6	7.8	4.6	3.6	.5					36.3	929	2.05	4.52	.03
JUL	41.8	19.5	5.2	10.5	5.7	9.9	4.3	2.7	.4					38.7	976	2.04	4.23	.38
AUG	43.1	16.5	4.1	10.7	7.8	9.9	5.4	2.0	.4					40.4	988	1.98	5.15	.26
SEP	43.1	16.7	4.4	10.4	6.5	10.2	5.6	2.7	.3					40.2	958	1.97	4.96	.04
OCT	42.4	16.4	4.5	14.3	5.9	8.2	6.1	1.7	.5					41.2	961	1.92	4.85	.10
NOV	31.1	17.9	6.6	14.0	10.5	10.6	7.6	1.3	.5					51.0	956	2.24	5.24	.58
DEC	31.3	20.7	7.2	14.2	8.6	11.3	5.0	1.6	.1					48.0	961	1.87	3.75	.48
ANNUAL	37.6	19.1	5.4	12.8	7.7	10.1	5.1	1.8	.3					43.3	11388	2.56		

1210 WS FORM 01-64 0-15.5 (OL1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AT WEATHER SERVICE/MAC

EXTREME VALUES

PRECIPITATION

(FROM DAILY OBSERVATIONS)

1957-58 WILSONHALL RAF, UK
STATION STATION NAME

50-54, 56-57 YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
50	.43	.43	.56	.53	.52	.76	.53	.46	.72	.15	.99	.35	.76
51	.14	.13	.53	1.17	.35	.76	.32	.41	.42	.36	.43	.77	1.10
52	.16	.24	.12	.21	.19	.8	.62	.35	.18	.9	.39	.22	.37
53	.21	.43	.53	.13	.52	.63	.73	.76	.34				
54											.19	.93	
55	.71	.65	.25	.2	.25	.85	1.18	.77*	.96	.33*	.41	.64	1.19
56	.3	1.33	.22	.27	2.31	1.59	.94	.53	.68	.57	1.40	.45	2.30
57	.51	.27	.35	.47	.63	.17	2.21	.25	.77	.37	.33	.76	3.20
58	.45	.23	.76	.13*	.25	1.63	.73	.72	.49	.55	1.12	.53	1.63
59	.27	.41	.13	.25	.41	.48	.49	.38	.42	.34	.41	.65	.65
60	.7	.11	.31	.11	.67	.77	.32	.43	.61	.55	.24	.32	.82
61	.37	.22	.35	.3	.61	.58	.99	.95	.58	.39	.35	.23	.99
62	.14	.55*	.76	.5	.28	.51*	.55	.79	.19	.22	.31	.74	.80
63	.7	.12	.57	.43*	.42	.65*	.89	.43	.58	.15	.29	.56	.89
64	.14	.33	.24	.29	.28	1.77	.86	1.76	.59	1.14	.23	.56	1.76
65	.17*	.33	.33	.57	.79	.69	.68	.35	.45	.68*	.46	.78	.79
66	.41	.26	.21	.10	.30	.89	.99*	.56	1.54	1.53*	.27	.42	1.54
67	.37	.95	.31	.32	1.32	.62	1.33	.39	.02	.10	.63	.48	1.39
68	.47	.42	.33	.33	.44	.35	.5	.46	.50	.32	1.12	.35	1.12
69	1.33	.18	.37	.44	.69	1.17	.93	.45	.17	.75	.51	.21	1.38
70	.64	.34	.36	.44*	.22*	.33	.21	.49	.31	.72	.76	.4	.76
71	.14	.39	.13	.44	.40	.90	1.27	.21	.59	.28	.27	.29	1.27
72	.31	.58	.19	.31	.11	.89	.49	.57	.72	.66	1.24	.36	1.24
73	.59	.24	.53	.41	.46	1.11	.65	.09	1.94	.10	.51	.47	1.94
74	.62	.49	.34	.27	.65	.47	.15	.63	.57	1.20	1.29	.39	1.29
75	.52	.57	.36	.53	.41	.68	.33	1.77	.56	.30	.42	1.32	1.32
76	.94	.75	.82	.48	2.74	.65	.66	.45	.6	.12	.36	.68	2.74
77	.23	.55	.51	.29	.46	.41	.45	.59	.25	.41	.45	.79	.77
78	.62	.62	.70	.40	.36	.94	.95	.83	.46	.46	.40	.49	.95
MEAN													
S. D.													
TOTAL OBS.													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-80-5 (OEA)

USAF ETAC FORM 9-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES
MONTHLY PRECIPITATION

(FROM DAILY OBSERVATIONS)

STATION 00071 WILSON HALL RAP ID
STATION NAME

55-54, 56-57

YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
55	1.21	2.70	3.52	3.38	2.29	1.42	1.55	2.37	2.72	.54	4.30	1.75	25.47
56	1.13	.44	1.77	1.68	1.39	1.26	.64	1.83	1.88	2.46	2.50	1.20	19.25
57	.65	.76	.28	1.10	.50	2.15	2.94	1.43	.81	1.73	1.19	.48	14.07
58	.84	1.56	2.39	.34	2.19	1.54	2.72	3.63	1.24				
59										.58	2.74		
60	1.43	2.38	1.63	.77	.93	2.15	2.54*	2.04*	3.81	.94*	.69	1.36	*21.01
61	1.23	3.51	.6	.54	.49	3.70	3.25	2.28	2.72	1.54	2.23	2.58	28.67
62	2.43	.10	1.77	2.16	.97	.91	3.72	.78	.07	1.32	1.53	2.95	19.07
63	2.37	.35	1.31	.48*	.75	2.54	3.72	2.37	2.73	1.98	3.35	2.01	*25.36
64	1.99	1.60	.3	1.39	.95	1.72	1.73	1.91	2.37	2.71	1.41	2.93	19.46
65	1.64	.50	1.14	1.34	1.94	.73	2.24	1.72	3.53	1.22	1.78	1.34	18.22
66	.93	.79	1.56	1.32	1.92	1.73	1.84	1.37	1.64	1.32	2.75	.51	19.33
67	1.27	1.32*	2.27	1.89	1.06	3.95*	1.78	1.67	.54	1.37	1.71	1.91	*22.00
68	1.35	.55	2.22	1.63*	1.37	2.33*	1.00	1.81	2.66	.40	1.60	3.21	*23.07
69	.70	1.34	.57	2.72	1.28	2.58	3.37	3.13	1.00	3.43	1.80	2.87	*24.61
70	.63*	1.39	.84	2.37	1.67	.83	1.44	1.29	1.51	3.64*	1.85	1.35	*20.86
71	1.37	.61	.72	1.20	1.17	3.17	3.16*	3.57	4.96	2.66*	1.15	1.19	*24.91
72	1.63	2.49	1.59	1.44	1.11	1.57	2.35	1.51	.74	.17	2.65	2.70	21.54
73	1.95	1.95	1.22	2.12	.99	.79	1.91	1.31	1.45	1.18	5.24	1.97	21.92
74	3.74	.52	.85	.87	1.69	3.37	1.31	1.62	.49	2.63	2.74	.77	22.67
75	2.14	1.41	1.62	1.77*	1.12*	.81	1.74	.97	.90	.10	2.21	1.28	*15.37
76	.41	.84	.62	2.72	2.45	2.57	3.75	.60	3.54	1.15	1.25	1.31	19.81
77	1.66	2.29	.92	.52	.74	2.88	1.71	2.31	3.25	4.37	4.56	1.77	26.18
78	2.03	.79	3.38	2.39	1.88	1.63	1.68	.26	3.89	.47	2.00	1.33	21.71
79	2.23	.92	.65	.61	2.22	.55	.38	1.43	2.79	4.53	3.47	2.24	22.00
80	2.83	3.51	2.48	2.24	1.99	2.09	.63	5.15	.91	.90	2.72	3.43	28.88
81	3.33	3.75	3.72	1.77	2.97	2.49	2.47	2.24	1.66	.45	1.35	3.75	28.53
82	1.66	1.97	3.29	1.43	3.72	1.44	.98	2.27	.91	1.40	2.08	3.72	23.97
83	1.63	3.08	3.22	.92	.59	3.58	4.23	2.78	1.75	1.98	2.09	1.44	26.65
MEAN													
S.D.													
TOTAL OBS.													

NOTE * (BASED ON LFSS THAN FULL MONTHS)

USAF ETAC FORM 0-88-6 (OLA)

EXTREME VALUES
 XXXXXXXXXXXXXXXXXXXXXXXX
 MONTHLY PRECIPITATION

(FROM DAILY OBSERVATIONS)

25771	WILDENHALL RAF LK
STATION	STATION NAME

50-54, 56-57

YEARS

[illegible]

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-6 (OEA)

2 GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

035771
STATION

MILDENHALL RAF UK
STATION NAME

50-54, 56-83
YEARS

	AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00	MEAN			GREATEST	LEAST	
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4						
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120						
JAN	80.9	12.2	2.9	2.9	.6	.1		.2	.1					6.9	925	2.1	10.7	.0	
FEB	79.6	13.5	3.4	2.0	.9		.1	.4	.1					7.0	846	2.2	14.4	.0	
MAR	86.5	11.0	.8	1.0	.3	.1	.1	.1						2.5	958	1.0	6.2	.0	
APR	93.4	5.6	.4	.4	.1									1.0	900	.2	2.3	.0	
MAY	99.2	.8													924	TRACE	TRACE	.0	
JUN	99.9	.1													870	TRACE	TRACE	.0	
JUL	100.0														917	.0	.0	.0	
AUG	100.0														930	.0	.0	.0	
SEP	99.9	.1													900	TRACE	TRACE	.0	
OCT	99.9	.1													899	TRACE	TRACE	.0	
NOV	95.4	3.2	.4	.4	.1	.1	.1		.1					1.3	901	.6	6.8	.0	
DEC	87.5	7.3	2.6	1.5	.9	.1		.1						5.2	930	1.4	8.2	.0	
ANNUAL	93.5	4.5	.9	.7	.2	.0	.0	.1	.0					2.0	10900	7.5	✕	✕	

GLOBAL CLIMATOLOGY BRANCH
 WAFBETAC
 AIR WEATHER SERVICE/AVAC

EXTREME VALUES

SNOWFALL

(FROM DAILY OBSERVATIONS)

1957-71
 STATION

WILDENHALL RAS 1K
 STATION NAME

1954, 56-87

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
1												2.1	
21	1.1	TRACE	TRACE	TRACE								TRACE	1.3
31	TRACE	.2	.2	TRACE							.8	1.0	1.7
41		1.1											1.1
54	1.2	TRACE	5.0	TRACE									
5											TRACE	1.6	
57	TRACE	TRACE							TRACE				TRACE
58	TRACE	6.3	TRACE	TRACE								.1	6.3
71		.2									TRACE		1.2
7	4.7	.9										TRACE	4.7
61	TRACE	TRACE	TRACE								.3	5.3	5.3
72	1.1	.8	.2	TRACE							.3	1.8	1.8
77	1.4	2.2	TRACE	TRACE							.1		2.2
79	2.1	.3	.3										
85			1.3	TRACE							*TRACE	TRACE	
86		*TRACE	TRACE	TRACE							.0	TRACE	*.5
67	1.0	.0	TRACE	TRACE	TRACE						.0	.5	1.0
68	3.2	TRACE	TRACE	TRACE							TRACE	2.4	3.2
69	TRACE	6.5	.1	TRACE							6.5	2.0	6.5
75		2.5	1.6	TRACE							TRACE	1.8	3.5
71		TRACE	.3								.7	.1	.7
72	.4	.1	TRACE								.0	.0	.4
73		TRACE	TRACE	TRACE							.5	.0	.5
74		TRACE	TRACE							TRACE	.0	.1	.1
76		.0	1.5	1.0	.0	TRACE		.0	.0	.0	.0	.3	1.5
76	8.0	TRACE	.6	.0	.0			.0	.0	.0	.0	1.1	8.2
77	.0	.2	3.2	.5	.0			.0	.0	.0	TRACE	TRACE	3.2
77	2.0	5.2	3.6	1.6				.0	.0	.0	3.0	1.1	5.2
78	6.0	2.0	TRACE	TRACE	TRACE			.0	.0	.0	.0	1.4	6.0
81		TRACE	TRACE					.0	.0	.0	1.9	.4	1.9
MEAN													
S.D.													
TOTAL OBS.													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-605 (OEA)

DIGITAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOWFALL

(FROM DAILY OBSERVATIONS)

1957-58 WILDENHALL RAF UK STATION NAME

50-54, 56-87 YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
57	.5	.2	TRACE	TRACE	.7	.7	.7	.7	.7	.7	.7	2.7	2.7
58	.4	TRACE	TRACE	TRACE	.7	.7	.7	.7	.7	.7	.7	TRACE	.4
59	.4	1.3	TRACE	.6	.7	.7	.7	.7	.7	.7	.7		
60													
61													
62													
63													
64													
65													
66													
67													
68													
69													
70													
71													
72													
73													
74													
75													
76													
77													
78													
79													
80													
81													
82													
83													
84													
85													
86													
87													
MEAN	1.3	1.7	.67	.12	TRACE	TRACE	.70	.00	TRACE	TRACE	.52	.85	2.99
S.D.	1.935	1.888	1.277	.358	.00	.000	.000	.000	.000	.000	1.435	1.212	7.337
TOTAL OBS.	925	846	958	900	924	870	917	93	900	899	901	930	14900

NOTE - (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 000-0 (OEA)

GLOBAL CLIMATOLOGY BRANCH
 WPC/STAC
 AIR WEATHER SERVICE/MAC

EXTREME VALUES
 MONTHLY SNOWFALL

(FROM DAILY OBSERVATIONS)

1977- WILDENHALL RAE LK STATION NAME 56-87 YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
56	1.4	TRACE	TRACE	TRACE	.2	.2	.2	.2	.2	.2	.0	3.5	1.8
57	TRACE	.2	1.7	TRACE	.2	.2	.2	.2	.2	.2	.8	1.2	3.7
58	1.4	2.0	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	9.7
59	1.8	TRACE	6.2	TRACE	.2	.2	.2	.2	.2				
60											TRACE	1.0	
61	TRACE	TRACE	.2	.2	.2	.2	.2	.2	TRACE	.2	.0	.2	TRACE
62	TRACE	14.4	TRACE	TRACE				.2	.2	.2	.2	.1	14.5
63	1.4	.2	.2	.2	.2	.2	.2	.2	.2	.2	TRACE	.2	1.4
64	5.2	1.3	.2	.2	.2	.2	.2	.2	.2	.2	.2	TRACE	6.4
65	TRACE	TRACE	TRACE	.2	.2	.2	.2	.2	.2	.2	.2	6.9	6.9
66	1.4	1.2	.5	TRACE	.2	.2	.2	.2	.2	.2	.2	2.9	6.7
67	5.7	7.0	TRACE	TRACE	.2	.2	.2	.2	.2	.2	.2	.1	12.9
68	2.4	.3	.3										
69			4.2	TRACE	.2						*TRACE	TRACE	
70	.2	*TRACE	TRACE	TRACE	.2	.2	.2	.2	.2	.2	.2	TRACE	.7
71	1.2	.2	*TRACE	TRACE	TRACE	.2	.2	.2	.2	.2	.2	1.2	* 3.4
72	5.7	TRACE	TRACE	TRACE	.2	.2	.2	.2	.2	.2	TRACE	1.4	9.1
73	TRACE	13.8	.1	TRACE	.2	.2	.2	.2	.2	.2	6.7	3.4	24.7
74	1.4	6.2	2.3	TRACE	.2	.2	.2	.2	.2	.2	TRACE	2.4	11.9
75	.2	TRACE	.3	.2	.2	.2	.2	.2	.2	.2	1.0	.2	1.7
76	.2	.2	TRACE	.2	.2	.2	.2	.2	.2	.2	.2	.2	.5
77	.2	TRACE	TRACE	TRACE	.2	.2	.2	.2	.2	.2	.2	.2	.7
78	.2	TRACE	TRACE	.2	.2	.2	.2	.2	.2	TRACE	.2	.1	.1
79	.2	.2	4.2	2.3	.2	TRACE	.2	.2	.2	.2	.2	.2	7.7
80	10.2	TRACE	.9	.2	.2	.2	.2	.2	.2	.2	.2	1.1	11.9
81	2.9	.2	3.2	.8	.2	.2	.2	.2	.2	.2	TRACE	TRACE	6.8
82	3.4	3.3	3.6	1.9	.2	.2	.2	.2	.2	.2	3.0	1.5	21.7
83	10.7	4.7	TRACE	TRACE	TRACE	.2	.2	.2	.2	.2	.2	2.4	17.8
84	.2	TRACE	TRACE	.2	.2	.2	.2	.2	.2	.2	6.8	.5	7.8
MEAN													
S D													
TOTAL OBS													

NOTE * (BASED ON LESS THAN FULL MONTHS)

WPC/STAC FORM 0-80-0 (OEA)

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

EXTREME VALUES
 MONTHLY SNOWFALL

(FROM DAILY OBSERVATIONS)

5271 WILDENHALL RAE LK STATION NAME

50-74, 76-87 YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
50	1.0	.2	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	9.4
51	.7	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	.7
52	.4	2.3	TRACE	.6	.0	.0	.0	.0	.0	.0	.0	.0	
53													
54													
55													
56													
57													
58													
59													
60													
61													
62													
63													
64													
65													
66													
67													
68													
69													
70													
71													
72													
73													
74													
75													
76													
77													
78													
79													
80													
81													
82													
83													
84													
85													
86													
87													
MEAN	2.11	2.16	.96	.19	TRACE	TRACE	.20	.00	TRACE	TRACE	.64	1.35	7.85
S.D.	2.832	4.026	1.716	.553	.000	.000	.000	.000	.000	.000	1.761	2.070	6.710
TOTAL OBS.	925	846	958	970	924	870	917	930	900	899	901	930	10900

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-6 (OEA)

2 GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

035771 MILDENHALL RAF UK 52-54, 56-83
STATION STATION NAME YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	.02-.03	.04-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	86.6	6.1	4.7	.3	.9	1.2	.1							7.3	896			
FEB	87.4	6.6	2.8	1.2	.9	1.1								6.0	818			
MAR	98.4	1.2	.2			.1								.3	894			
APR	100.0														870			
MAY	100.0														893			
JUN	100.0														870			
JUL	100.0														930			
AUG	100.0														953			
SEP	100.0														919			
OCT	100.0														922			
NOV	98.0	.9	.2	.2	.2	.3								1.0	868			
DEC	93.2	3.0	2.4	.9	.3	.1								3.8	898			
ANNUAL	97.0	1.5	.9	.2	.2	.2	.0							1.5	10731			

LOCAL CLIMATOLOGY BRANCH
 WASHINGTON
 AIR WEATHER SERVICE/HAC

EXTREME VALUES

SNOW DEPTH

(FROM DAILY OBSERVATIONS)

STATION 7271 WILDEHALL RAF, K STATION NAME 12-74, 56-83 YEARS

DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
51											TRACE	TRACE	
52		1											
53		TRACE	TRACE										
54													
55													
56	TRACE	6										TRACE	
57													
58													
59													
60													
61													
62													
63			3	TRACE								TRACE	
64													
65													
66													
67													
68	TRACE	6											
69	TRACE	3											
70													
71													
72													
73													
74													
75	TRACE	2	TRACE										
76													
77		TRACE	TRACE										
78													
79													
80	TRACE	5											
81	TRACE	1											
82													
83													
84													
85													
86													
87													
88													
89													
90													
91													
92													
93													
94													
95													
96													
97													
98													
99													
00													
MEAN													
S.D.													
TOTAL OBS.													

NOTE * (BASED ON LESS THAN FULL MONTHS)

WAFB ETAC FORM 0-60-0 (OEA)

EXTREME VALUES

SNO. DEPTH

(FROM DAILY OBSERVATIONS)

00071 WILDENHALL RAF UK
STATION STATION NAME

2-54, 56-33

YEARS

DAILY SNOW DEPTH IN INCHES

[illegible]

NOTE * BASED ON LESS THAN FULL MONTHS

USAF ETAC FORM 0-00-5 (OIA)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

- *1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gust for each year-month, however an asterisk (*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

- *2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

*Values for means and standard deviations do not include measurements from incomplete months.

EXTREME VALUES

SURFACE WINDS

(FROM DAILY OBSERVATIONS)

25771 ILCENHALL RAE LA
STATION STATION NAME

5 - 27

YEARS

DAILY PEAK GUSTS IN KNOTS

YEAR	MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP.	OCT.	NOV.	DEC.	ALL MONTHS				
19	1	4.4	28.5W	32.4SW	34W	23SS	27	33S	*22S	23NW	34E	23SW	*23	41				
20	1	4.2SW	33W	34.4SW	40W	*23WS	32S	33W	23NW	*23NW	25SW	41W	44	44				
21	1	2.4SW	45W	22.4SW	22.4SW	37S	34SW	31WSW	42SW	33NW	42SW	40WSW	56	56				
22	1	3W	47	47	36SW	41W	41WSW	77	21SS	35S	38WSW	29N	36NW	53				
23	1	47S	30S	40SSS	34W	33WSW	25S	26W	31S	21SSW	23SW	46S	57	47				
24	1	31W	28SS	*22														
25	1	4W	31ENE	*22														
26	1	3SS	36W	44NW	29S	30NW	25W	22SW	42WSW	38S	33W	55WSW	49	55				
27	1	3W	56SS	42NW	39S	41SW	22SW	23WSW	25WSW	40W	49W	40WSW	34	56				
28	1	4W	35N	52W	36SS	25SW	3434	4534	2725	3721	2812	3516	32	52				
29	1	46	3624	3428	4431	32	1	2827	32	1	3124	3229	45	34				
30	1	3524	4927	3623	3929	3716	3627	3923	4122	3728	4225	42	6	34				
31	1	332	3727	3324	2811	2528	3121	3125	3526	3223	3333	4	21	49				
32	1	5215	3423	2928	3625	4127	29	5	2621	3213	3016	2827	4321	36				
33	1	325	4231	3232	5431	4427	2529	2228	3635	3229	3430	34	1	42				
34	1	542	4427	3635	283	3127	3828	3726	3023	4629	3530	4030	47	24				
35	1	5521	29	3	3435	3923	3432	3	22	3	26	2821	4522	3520	3720	42		
36	1	3535	4824	3731	3027	3529	2924	2734	3	31	4	23	4219	4116	37	23		
37	1	323	3824	3927	50	6	3530	3327	2921	3124	3319	3625	5324	63	24	63		
38	1	5	3222	4535	33	1	3225	2821	2624	2526	3927	3623	4122	78	1	57		
39	1	43	6	3222	4	23	422	4130	3027	2823	3524	2614	2623	3818	4	33	44	
40	1	4422	26	9	3234	34	6	2721	32	1	3025	3126	3323	42	8	3929	36	
41	1	4324	4432	43	4	3522	3222	3124	29	5	2625	4324	4328	4313	39	24	44	
42	1	3220	3226	4924	4	30	4	24	2924	3	23	3534	4	33	3	23	3523	44
43	1	4227	4828	4436	3512	3017	273	3029	2122	3719	3928	39						
MEAN		43.3	37.5	28.9	36.4	34.6	31.0	29.9	31.1	36.2	35.6	4.4	41.9	51.5				
S.D.		9.717	8.337	6.678	6.748	5.343	3.931	3.707	5.911	5.391	6.255	5.664	8.571	5.476				
TOTAL OBS.		738	723	761	698	676	687	705	726	712	740	727	741	865				

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

~~9 (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)~~

U.S. AIR FORCE
CLIMATE BRANCH
AFAC
WEATHER SERVICE/AFAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION ELDENHALL RAF K 4-83 JP
STATION NAME YEARS MONTH
ALL-WEATHER
CLASS
000-1200
HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	1.7		.1	.1	.1	.1	.1				1.9	1.8
NNE	.1	.4	.1	.1								1.7	3.8
NE	.1	.3	.1	.1								.4	7.0
ENE	.1	.3	1.7	.1	.1							1.9	8.4
E	.1	.6	.3	.1	.1							2.3	5.0
ESE	.1	1.4	.4	.1								2.4	7.6
SE	.1	1.7	.1	.6	.1							3.2	7.1
SSE	.1	1.1	1.3	1.1	1.1							6.5	9.8
S	.1	2.8	3.8	4.4	.8	.1						12.7	9.9
SSW	.1	2.6	2.6	2.7	.9							10.1	8.4
SW	.1	.1	3.4	5.9	.6	.1	.1					15.7	1.5
WSW	.1	2.2	2.9	3.1	.6	.1						10.4	9.9
W	.1	2.3	2.9	3.4	.9		.1	.1				11.3	9.9
WNW	.1	1.1	1.0	1.1	.1		.1					3.9	9.3
NW	.1	.1	1.4	.1	.1	.1						3.9	9.9
NNW	.1	.1	1.1	1.7								2.7	9.7
VARBL			.1	.1								.4	11.9
CALM												1.1	
	.1	23.5	23.1	27.7	5.9	1.9	.4	.1				100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 937

AL CLIMATOLOGY BRANCH
 AFAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1571 MILDENHALL RAF UK STATION NAME 74-83 YEARS JAN MONTH 1300-2500 HOURS (L.S.T.)

CLASS ALL WEATHER

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.6	.1	.1		.1	.2					1.6	5.5
NNE	.1	.6	.1									1.4	4.7
NE	.2	.9	.3									1.1	5.3
ENE	.1	.4	.6	.1								1.5	6.6
E	.1	.4	.6	.6	.1							2.9	8.3
ESE	.1	1.1	.3	.8								2.9	7.1
SE	.4	1.6	.6	.6	.1							3.4	7.5
SSE	.4	1.9	1.8	1.3	1.2	.3						6.8	10.3
S	1.2	3.0	2.4	3.0	.8	.3						11.6	9.5
SSW	.9	2.9	2.7	4.5	.9	.4						12.9	10.4
SW	1.1	3.2	5.5	4.3	.1	1.4						15.2	9.8
WSW	1.2	2.9	2.6	3.7	.5	.3						11.8	9.7
W	.4	1.8	2.7	4.7	.6	.1						10.7	11.3
WNW	.1	1.1	1.3	1.1			.2					3.9	9.8
NW	.2	.9	.9	.6								2.6	8.3
NNW	1.1	1.2	1.5	.8	.1							4.5	7.1
VARBL			.1	.1	.1	.3						.9	15.3
CALM												8.4	
	17.0	23.9	24.2	25.9	8.9	2.1	.8					110.7	8.6

TOTAL NUMBER OF OBSERVATIONS 937

U.S. AIR FORCE
 CLIMATE DIVISION
 AF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1471 MILDENHALL RAF JK STATION NAME 74-83 YEARS JAN MONTH 0630-2800 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED KNTS. DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.7	.3	.1	.3							1.3	7.9
NNE	.5	.8										.9	3.1
NE	.4	.3	.1									1.0	4.4
ENE	.7	.4	.8	.6								2.2	8.0
E	.7	.4	.3	1.0								1.8	9.8
ESE	.4	.6	.6	.5								2.3	7.2
SE	.7	1.3	.6	1.1	.2	.1						4.5	8.1
SSE	.1	2.4	1.8	.5	.3	.1	.1					6.9	8.5
S	1.4	2.8	2.4	2.9	1.1							10.9	9.1
SSW	.3	2.6	3.1	3.5	1.4	.4						11.6	10.5
SW	1.1	2.9	4.7	4.0	.5	.8						14.1	10.1
WSW	1.1	1.9	3.3	5.7	.4	.3	.1					12.0	10.8
W	1.7	1.9	2.8	3.1	.4	.3	.1					9.5	10.1
WNW	.4	1.1	.6	1.0	.9							4.1	10.4
NW	.4	1.1	.2	.4	.3							2.5	7.5
NNW	.4	1.5	1.2	.9	.2							4.3	7.9
VARBL				.9	.2	.3						1.3	15.5
CALM												7.8	
	11.1	22.6	23.7	26.2	6.9	2.7	.3					100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 932

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ALL WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 5071 HILDENHALL RAF UK STATION NAME 74-83 YEARS JAN MONTH 0920-1100 HOURS (L.S.T.)
CLASS ALL WEATHER
CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.6	.2	.3	.1							2.2	6.2
NNE	.0	.4	.2	.1								1.4	4.9
NE	.1	.4	.3									.9	5.9
ENE		.1	1.1	.4								1.5	9.8
E	.1		.9	1.2	.1							2.3	11.3
ESE	.1	1.1	.8	.2								2.4	6.4
SE	.1	1.6	.9	.8	.5							4.3	8.3
SSE	.1	2.0	1.5	2.0	.6	.1						7.4	8.9
S	1.3	3.1	3.1	3.4	1.2	.5						13.1	9.6
SSW	.1	2.2	2.2	3.3	1.1	.3						9.4	10.6
SW	1.0	1.4	4.5	4.6	1.4	.4						13.9	11.2
WSW	.4	1.3	3.8	5.9	2.2	.3	.2					14.5	11.9
W	.3	1.7	2.7	3.2	.9	.3	.2					9.7	10.9
WNW	.1	.4	.9	1.4	.4	.3						3.9	11.7
NW	.1	1.1	1.5	.3	.1	.1						3.3	7.9
NNW	.1	1.3	1.1	.5	.2							3.7	8.0
VARBL		.2	.3	.8	.1							1.4	11.4
CALM												5.3	
	2.1	19.9	25.1	28.6	8.9	2.5	.5					100.3	9.8

TOTAL NUMBER OF OBSERVATIONS 930

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE (MAC)

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 14-71 ILOENHALL RAF AK STATION NAME 74-R3 YEARS MONTH JAN NORTH 1200-1400 HOURS (L.S.T.)
CLASS ALL WEATHER
CONDITION

SPEED KNTS, DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.7	.4	.3	.2							2.4	7.2
NNE	.3	.3	.3	.3		.1						1.4	6.6
NE	.1	1.1	.3									1.4	5.6
ENE		.2	.8	.5								1.5	9.7
E	.1		.5	1.0	.2							2.3	12.5
ESE	.4	.6	.6	.6	.3	.1						2.8	12.0
SE	.4	.9	.3	1.7	.4	.3						3.2	10.7
SSE	.1	1.1	1.9	1.8	.8	.3						6.5	10.9
S	.4	2.3	3.9	3.9	1.2	.3						11.9	12.7
SSW	.4	1.5	2.9	2.5	1.3							8.5	10.4
SW		1.8	2.2	5.2	1.8	.2		.1				12.5	12.7
WSW	.4	.6	3.1	4.5	2.9	.5	.1	.1				12.1	13.2
W	.4	1.7	4.3	4.7	1.9	.4	.3					14.1	11.8
WNW	.3	1.7	1.4	2.0	.6	1.1	.2					6.5	13.8
NW	.1	1.7	2.2	.9	.1	.1						4.5	9.1
NNW	.1	1.6	1.7	1.3	.4							4.4	9.3
VARBL			.6	.4		.1						1.2	11.6
CALM												3.7	
	5.1	16.6	26.7	31.7	11.8	4.1	.6	.2				100.0	10.9

TOTAL NUMBER OF OBSERVATIONS 937

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 15771 MILDENHALL RAF UK STATION NAME 74-83 YEARS JAN MONTH
CLASS ALL WEATHER 1970-1979 MONTHS (L.S.T.)
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.2	.9	.6	.1			.1				3.1	6.1
NNE	.3	.5	.3	.2								1.4	6.6
NNE	.4	.3	.2									1.3	8.6
ENE	.3	.2	.8	.4								1.6	8.3
E	.4	.3	.5	1.2								2.5	9.3
ESE	.4	.5	1.2	.6	.3	.1						2.9	9.6
SE	1.1	1.2	1.3	.5	.1	.2	.1					4.5	8.3
SSE	.8	2.3	2.0	1.7	.2	.3	.1					7.4	9.2
S	.3	1.5	3.5	3.7	.5	.5						10.5	10.3
SSW	1.4	.2	3.1	1.9	.9	.2						8.4	9.8
SW	.1	2.3	3.9	5.7	.8	.6						12.7	11.3
WSW	.1	2.6	4.6	7.0	1.3	.3						12.3	10.7
W	1.1	1.5	3.9	3.2	1.5	.5						12.2	10.5
WNW	.3	1.4	.6	1.4	1.7	.7						5.3	10.8
NW	1.1	1.1	1.0	1.2	.1							4.3	7.9
NNW	.3	1.5	1.6	1.1		.1						4.9	7.8
VARBL			.4	.1	.2	.1						.3	13.9
CALM												4.2	
	11.1	18.8	28.9	26.7	6.8	3.3	.3	.1				100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 930

CLIMATOLOGY BRANCH
 AFMSTAC
 AIR WEATHER SERVICE/AFAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 9771 HILDENHALL RAF JK STATION NAME 74-83 YEARS JAN NORTH
 CLASS ALL WEATHER 1990-2000 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.5	.5	.4	.1	.2	.2					2.5	11.2
NNE	.2	.6	.1	.1	.1							1.5	5.3
NE	.2	.6	.1	.1	.1							1.2	5.2
ENE	.1	.1	1.2	.8								2.2	9.4
E	.4	.4	.6	.5	.1							2.2	6.1
ESE	.4	.6	.9	.5	.1							2.5	6.3
SE	.2	1.2	1.2	.8	.4	.1						5.2	8.1
SSE	1.4	1.8	2.7	1.6	.5							7.6	8.1
S	1.2	2.1	3.2	3.7	.5							11.1	9.6
SSW	.2	1.2	2.8	2.2	.8	.3		.1				8.8	10.0
SW	.4	2.3	4.5	4.7	1.2	.2		.1				14.3	10.4
WSW	.6	2.3	3.8	4.3	.9	.5	.1		.1			12.5	10.8
W	1.1	2.2	2.5	3.5	1.2	.2	.1					10.6	10.6
WNW	1.1	1.7	1.0	1.2	.4	.1						4.7	8.8
NW	.1	1.2	1.5	1.0	.2							4.2	9.1
NNW	.6	.3	.6	.4								2.3	6.9
VARBL			.1	.1								.2	11.0
CALM												7.3	
	1.9	2.2	26.7	25.9	6.7	1.7	.4	.2	.1			100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 970

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 15771 MILDENHALL RAF UK

74-83

JAN

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	.9	.9	.5	.1	.2	.1					3.3	9.1
NNE	.3	.1	.2	.1								.9	5.6
NE	.7	.1	.1									.8	3.6
ENE	.7	.1	1.2	.5								1.9	9.2
E	.7	.6	.2	.6	.1							1.9	8.3
ESE	.1	.6	1.1	.6								2.5	8.6
SE	.1	2.4	.8	.8	.3	.1						5.3	7.3
SSE	.4	1.7	1.3	1.7	.5	.1						5.9	9.7
S	1.4	2.7	3.4	3.4	.8							11.7	9.5
SSW	.9	2.4	3.7	2.7	.8	.1	.2					10.0	9.7
SW	1.6	3.1	5.1	4.7	1.0	.9		.1				16.2	10.1
WSW	1.7	1.8	2.7	4.0	.6	.4						11.1	9.9
W	.6	2.5	3.1	3.1	.5	.3		.1		.1		10.3	10.6
WNW	.2	.3	1.4	1.3	.1	.1	.1	.1				4.0	10.1
NW	.5	1.1	1.7	1.2	.2							4.7	8.3
NNW		.1	.3	.6								1.1	11.3
VARBL			.2	.3	.1							.6	12.8
CALM												8.1	
	13.3	20.9	27.2	25.7	5.2	2.1	.4	.2		.1		100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 930

FEDERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1971 MILDENHALL RAF UK 74-82 JAN NORTH
STATION STATION NAME YEARS
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.8	.4	.3	.7	.1	.1	.7				2.4	8.7
NNE	.2	.4	.2	.1	.7	.7						1.3	5.3
NE	.2	.6	.2	.7								1.1	5.1
ENE	.2	.3	.9	.4	.7							1.7	8.6
E	.2	.4	.5	.9	.1							2.2	9.2
ESE	.2	.8	.7	.6	.1	.7						2.6	8.1
SE	.4	1.5	.8	.8	.3	.1	.7					4.2	5.1
SSE	.2	1.8	1.7	1.6	.7	.1	.7					6.9	9.4
S	.2	2.5	3.2	3.5	.2	.2						11.6	9.7
SSW	.2	2.1	2.9	2.8	1.7	.7	.7	.7				9.9	10.7
SW	.2	2.7	4.1	4.9	.9	.7	.7	.1				14.3	10.7
WSW	.2	1.9	3.3	4.3	1.1	.4	.1	.7	.7			12.1	10.9
W	.2	2.7	3.1	3.5	1.7	.3	.1	.7		.7		10.9	10.6
WNW	.4	1.7	1.7	1.3	.4	.7	.1					4.5	10.8
NW	.4	1.7	1.3	.8	.1	.1						3.7	8.5
NNW	.7	1.7	1.7	.8	.1	.7						3.5	8.1
VARBL	.2	.7	.2	.4	.1	.1						.9	12.3
CALM												6.5	
	9.8	2.8	25.6	27.2	7.7	2.5	.4	.1	.0	.0		100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 7442

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 15771 WILDENHALL RAF, UK STATION NAME 74-83 YEARS FEB MONTH 0000-0200 HOURS (L.S.T.)
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.4	.9	.4								3.7	5.8
NNE	1.1	2.2	1.1	.5								4.8	5.8
NE	1.1	2.1	1.1	.2	.2							4.7	6.1
ENE	.6	1.9	2.4	.6								5.4	7.2
E	.4	3.7	2.5	1.9								8.6	7.6
ESE	1.4	3.1	2.2	.7								7.4	6.7
SE	1.1	2.6	2.1	1.2	.4							7.3	7.3
SSE	1.1	1.1	2.0	.9	.2							5.3	7.8
S	1.3	1.3	3.7	2.4	.7							9.2	9.7
SSW	.2	1.3	1.3	1.9	.6							5.9	9.8
SW	1.4	1.5	3.0	2.6	.6	.4						9.5	9.3
WSW	.4	1.2	3.7	1.2	.2	.4						6.3	9.8
W	.3	1.1	1.1	1.7								4.4	8.4
WNW	.2	.7	.4	.2			.2					1.7	6.4
NW	.4	.4	.9	.6								2.2	7.7
NNW	.4	.6	.6	.6								2.1	7.7
VARBL			.1	.2								.4	11.3
CALM												11.1	
	13.2	26.7	27.5	17.7	3.0	.7	.1					100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: 5771 MILDENHALL RAF UK STATION NAME: 74-83 YEARS: FEB MONTH: 0310-0500 MOVES (L.S.T.):

ALL WEATHER CLASS: CONDITION:

SPEED KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	.7	1.2	.9	.2								3.1	5.6
NNE	.9	2.1	.6	.8								4.4	6.4
NE	1.1	3.1	1.9	.5	.2							6.6	6.6
ENE	1.1	1.2	2.5	.2								5.3	6.7
E	1.4	2.5	3.3	1.5								8.7	7.3
ESE	1.9	2.1	2.4	1.2								7.6	6.9
SE	.5	2.1	2.4	1.4	.1							6.9	7.6
SSE		.7	1.8	.8	.2							3.5	9.4
S	1.2	2.1	3.2	1.9	.9	.2						9.5	9.3
SSW	1.7	1.3	1.3	2.1	.5							6.9	8.6
SW	1.1	1.7	3.2	1.7	.1	.1	.1					7.9	8.8
WSW	.7	.9	3.5	2.0	.4	.2						7.8	9.8
W	.4	1.2	1.1	.9								3.3	7.6
WNW	.2	.2	1.1	.9								2.4	9.6
NW	.1	1.1	.7	1.1								3.3	8.4
NNW	.5	.4	.1	.1								1.1	4.2
VARBL				.2								.2	12.0
CALM												12.1	
	13.6	23.6	29.8	17.7	2.5	.9	.1					100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 646

JOINT CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/PAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

1977
STATION

MILDENHALL RAF JK
STATION NAME

74-83
YEARS

FEB
MONTH

ALL WEATHER
CLASS

4607-0822
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.7	.7	.2		.1						3.4	6.1
NNE	.2	2.1	.5	.4								3.7	5.8
NE	.7	2.2	1.5	.5	.1	.1						5.3	7.1
ENE	.1	1.4	3.2	.6								5.7	7.6
E	.9	2.6	2.7	2.2	.1							8.6	6.2
ESE	1.1	2.4	2.5	.8								6.7	6.8
SE	1.1	2.2	2.4	.8								6.5	6.8
SSE	.7	1.7	2.6	1.3	.1							6.4	8.1
S	.2	2.1	2.5	2.6	1.1	.4						9.8	1.3
SSW	.7	.9	1.7	2.8	.5							6.7	10.3
SW	.7	1.9	3.5	1.1	.2							7.4	7.8
WSW	.8	1.4	2.6	.8	.1	.7						5.6	8.9
W	.5	.2	2.4	1.2								5.0	8.2
WNW	.2	.7	.9	.6								2.5	7.6
NW	.5	.4	.6	.4								1.3	7.1
NNW	.3	.3	.2	.9		.1						2.2	9.2
VARBL			.3	.2	.1							.3	11.8
CALM												12.2	
	1.5	25.5	31.7	17.5	2.6	.3						100.2	7.1

TOTAL NUMBER OF OBSERVATIONS

846

U.S. AIR FORCE CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/AFAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WILDMENHALL RAF UK YEARS 74-83 MONTH FEB
 ALL WEATHER
 CLIM
 CONDITION

SPEED (KNTS, DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.1	.4	.7	.1	.1	.1					3.2	5.1
NNE		1.4	1.2	.7	.1							4.3	6.9
NE		1.4	1.4	.7	.2							3.3	7.6
ENE		2.1	2.6	.9								6.1	7.6
E		2.7	3.5	2.8	.4							1.1	9.1
ESE		1.4	1.7	2.2								5.6	9.2
SE		2.5	2.4	1.3								7.1	7.2
SSE		1.4	2.2	2.8	.3		.1					7.4	9.8
S		1.9	2.4	3.1	.8	.1						9.8	1.2
SSW		.8	1.9	2.2	1.2	.6						7.2	12.2
SW		.5	2.2	1.4	.6							5.8	9.6
WSW		1.7	1.2	2.7	.3	.3						8.9	9.6
W		.7	1.5	.9	.2							4.4	8.2
WNW		.7	.6	.4	.1							2.1	8.1
NW		.4	1.8	.7	.1							3.5	8.6
NNW		.7	.4	1.1	.1							2.2	7.3
VARBL			.2	.7	.2							1.2	13.5
CALM												7.6	
	9.1	22.1	31.6	24.6	4.7	1.1	.2					100.2	8.4

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/AF

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

5771
STATION

ILDENHALL RAF UK
STATION NAME

74-83
YEARS

FLB
MONTH

ALL WEATHER
CLASS

1207-1477
HOURS (L.B.T.)

CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.6	.5	.4	.6	.1						2.8	10.1
NNE	.2	.9	1.2	.9	.2							3.5	9.1
NE	.2	.4	2.4	.7	.4							4.5	9.2
ENE	.2	.9	2.2	1.7								5.7	9.3
E	.1	1.5	5.7	3.1	.6	.1						11.5	9.7
ESE	.4	1.1	.9	1.9	.1							4.6	9.7
SE	.1	2.1	1.9	3.1								7.3	9.3
SSE	.1	1.1	1.7	3.1	.5							6.5	10.7
S	.1	.9	3.4	4.4	.8							12.2	10.9
SSW	.1	.6	1.7	3.1	1.1	.4						7.9	12.3
SW	.1	1.1	2.1	1.8	.9							6.3	15.7
WSW	.1	1.1	2.7	1.7	.1		.1					5.4	9.9
W	1.1	.6	1.9	2.7	.9		.2					6.7	11.2
WNW	.1	.7	1.4	.5	.5							3.3	9.6
NW	.1	.4	1.5	.9	.2							3.7	9.1
NNW	.1	.6	1.7	.9	.2							3.7	9.1
VARBL			1.8	.9	.1	.3						3.1	11.6
CALM												4.1	
	15.1	15.5	34.3	31.1	7.6	.8	.4					100.7	9.8

TOTAL NUMBER OF OBSERVATIONS 846

JOINT CLIMATOLOGY BRANCH
AFETAC
WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 5771 MILDENHALL PAF UK STATION NAME 74-83 YEARS FEB
 ALL WEATHER CLASS 1530-1700
 CONDITION NOON (L.S.T.)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.1	.7	.6	.2	.1						3.5	2.3
NNE	.1	.9	1.3	.5								3.3	6.9
NE	.2	1.2	1.9	1.1	.1	.1						4.5	9.3
ENE	.2	1.4	3.7	1.9								7.7	8.1
E	.5	2.5	5.3	3.3	.5							12.2	9.7
ESE	.7	1.7	1.4	1.3	.1							5.1	8.1
SE	.4	.9	2.1	2.8	.2							6.5	10.1
SSE	.5	.4	2.1	2.8	.1							6.5	10.1
S	.7	1.9	3.1	2.8	.4	.2						9.3	9.7
SSW	.7	1.9	1.8	2.4	.7	.2						7.3	10.1
SW	1.1	1.7	2.4	3.1	.4	.1						9.3	9.2
WSW	.4	.4	.9	.6	.4							2.7	9.9
W	.4	1.4	2.5	1.7	1.1	.4						7.3	10.9
WNW	.2	.4	.9	.2	.2							2.2	8.6
NW	.4	.4	1.3	.7								2.8	8.2
NNW	.4	.6	2.1	.7								3.3	8.1
VARBL		.1	.6	.5	.1							1.3	10.6
CALM												5.1	
	3.9	19.3	34.7	27.7	4.6	1.2						100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 646

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 0571 MILDENHALL RAF UK STATION NAME 74-83 YEARS 1871-1991
 CLASS ALL WEATHER
 CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.3	.8	.5	.1							4.3	6.3
NNE	.5	1.3	1.1	.8								3.7	7.1
NE	.1	2.5	1.4	.7								4.8	6.8
ENE	.5	4.1	2.7	.9	.1							8.3	7.1
E	1.8	3.8	4.7	1.5								11.8	7.1
ESE	1.4	3.2	1.4									6.1	5.1
SE	.9	1.7	3.5	2.1	.4							8.6	6.4
SSE	1.1	1.2	2.0	2.1	.4							6.7	9.2
S	1.4	1.5	2.4	2.8	.2	.1						8.7	9.1
SSW	1.1	.9	1.7	2.8	.9	.4						7.6	11.0
SW	.7	1.2	1.2	1.7	.6							3.3	9.3
WSW	.1	.9	2.0	2.6	.1							5.3	10.5
W	.2	1.9	1.2	.8	.9							4.5	8.4
WNW	.3	.5	.8	.6								2.2	7.7
NW	.1	.8	.5		.1							1.5	6.8
NNW	.5	.4	.7	.7								2.2	7.8
VARBL			.1	.1								.2	11.0
CALM												8.1	
	11.9	27.1	28.5	20.9	3.2	.5						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 886

SURFACE WINDS

STATION	WILDENHALL RAF UK	STATION NAME
---------	-------------------	--------------

74-82

fff

ALL LEATHER

21 0-2370
MOORE (L.B.T.)

CONCLUSION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.1	.6	.7								2.8	7.1
NNE	1.4	2.6	1.3	.6								5.2	5.8
NE	.6	2.2	1.3	.4								4.4	6.2
ENE	.9	1.1	1.4	.9	.1							6.4	6.8
E	1.5	2.2	4.0	1.7	.2							9.7	7.6
ESE	1.7	3.4	1.5	.1								6.7	5.2
SE	1.2	2.7	2.7	1.9	.5							9.2	8.0
SSE	.5	1.2	1.2	1.5	.1	.1						4.6	9.4
S	1.0	1.5	3.5	3.7	.2							10.5	9.5
SSW	.7	.5	.8	2.4	1.1	.1						5.6	11.8
SW	.2	1.3	3.3	2.7	.6							8.7	9.4
WSW	.2	.4	1.7	1.5	.4							4.1	13.2
W	.5	1.4	2.1	1.4	.1							5.6	8.4
WNW	.2	.5	.8	.6								2.1	8.1
NW	.5	1.1	.6	.4								2.5	6.6
NNW	.4	.5	.5	.5								1.8	7.8
VARBL			.2	.4								.6	11.6
CALM												9.7	
	12.5	26.1	27.4	20.6	3.3	.2						100.2	7.3

TOTAL NUMBER OF OBSERVATIONS 846

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
EJL 84

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 25771 MILDENHALL RAF UK 74-83 YEARS FEB
STATION NAME CLASS MONTH
ALL WEATHER ALL
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	.7	1.2	.7	.5	.1	.1	.7					7.4	7.2
NNE	.3	1.7	1.0	.7	.7							4.2	6.6
NE	.5	2.1	1.6	.5	.2	.2						4.9	7.3
ENE	.6	2.1	2.6	1.7	.7							5.2	7.5
E	1.0	2.7	4.0	2.3	.2	.7						17.2	8.2
ESE	1.1	2.3	1.8	1.0	.0							6.2	6.8
SE	.9	2.1	2.4	1.8	.2							7.4	8.1
SSE	.6	1.2	2.0	1.9	.2		.2					5.9	9.3
S	1.1	1.7	3.0	3.0	.7	.1						9.6	9.7
SSW	.9	1.1	1.5	2.5	.8	.2						6.9	10.8
SW	.7	1.4	2.6	1.9	.5	.1	.7					7.4	9.2
WSW	.4	1.2	2.4	1.6	.2	.1	.0					5.8	9.7
W	.2	1.2	1.7	1.3	.3	.7	.5					5.2	9.2
WNW	.7	.4	.9	.5	.1		.7					2.3	8.5
NW	.3	.7	1.1	.6	.1							2.6	8.0
NNW	.4	.5	.9	.6	.7	.7						2.4	8.3
VARBL			.4	.4	.1	.1						.9	11.7
CALM												6.7	
	10.9	23.2	30.8	22.1	3.9	.8	.1					170.7	7.8

TOTAL NUMBER OF OBSERVATIONS 6768

U.S. AIR FORCE
METEOROLOGICAL SERVICE
METEOROLOGICAL SERVICE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION: WILSONHALL P.F. UK YEARS: 74-83 MONTH: MAR
 ALL WEATHER CLASS: 000-020
 CONDITION: NOV 83 (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.2	2.5	.8								6.5	6.7
NNE	1.0	.9	1.0	.5	.2							3.5	7.3
NE	.3	1.7	1.7	.6								3.9	7.7
ENE		.9	1.2	.4	.2							2.2	10.3
E	.4	1.4	1.4	.3	.1							3.3	7.7
ESE	1.3	.4	1.0	.4								3.4	5.9
SE	.9	1.9	1.6	1.7								5.2	7.1
SSE	1.1	2.4	2.2	.5	.1							6.2	6.6
S	.5	1.7	3.2	2.3	.1	.3	.1					8.2	9.3
SSW	1.6	1.7	3.9	1.2	1.1	.8	.1					12.4	10.6
SW	.0	1.5	3.4	3.2	1.2	.4						10.9	10.5
WSW	.2	1.5	3.0	4.1	1.2	.2						10.9	10.6
W	.3	1.1	2.2	1.6	.5	.1	.2					6.3	10.2
WNW	.3	.5	.8	.4	.1							2.2	8.3
NW	.4	1.2	1.5	.1	.3	.2						3.7	8.1
NNW	.5	1.1	.8	.5								2.9	6.3
VARBL													
CALM												5.5	
	11.4	21.4	31.0	20.2	5.2	1.9	.4					100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 930

CENTRAL CLIMATOLOGY BRANCH
NAFCTAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 071 WILDENHALL RAF UK STATION NAME 74-87 YEARS MAP SOUTH 100-0500 MOON (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.3	2.0	.6								6.1	6.3
NNE	.2	1.1	1.4	.8	.1							4.1	7.5
NE	.4	.4	1.5	.9								2.7	7.9
ENE	.4	1.7	.6	.9								2.9	8.2
E	1.1	1.2	1.9	.2								4.1	6.3
ESE	.2	1.8	1.2	.4								4.3	6.3
SE	.3	1.5	1.5	.4								4.2	6.5
SSE	.4	1.6	1.8	.6								4.7	7.1
S	1.0	2.0	3.7	2.7	.5	.1						10.0	9.1
SSW	1.1	2.3	3.5	2.8	.5	.1						11.2	8.9
SW	1.2	2.4	3.8	3.6	1.1	.7						12.3	10.3
WSW	.4	1.3	1.7	4.1	1.2	.6						9.9	11.9
W	1.1	.3	2.2	1.5	.1							5.6	8.2
WNW	.2	.3	.8	.9								2.6	8.6
NW	.7	1.5	1.5	.4	.3							4.3	7.3
NNW	.7	.6	1.5	.4								3.1	7.3
VARBL				.1								.1	15.1
CALM												7.5	
	12.7	22.9	30.9	20.9	3.9	1.7						10.0	7.9

TOTAL NUMBER OF OBSERVATIONS 929

U.S. NAVAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 5171 MILDENHALL PAF K STATION NAME 74-83 YEARS MONTH 600-7870 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS): DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.6	2.2	.9								5.1	7.3
NNE	.5	1.1	1.2	.6	.1							3.7	7.1
NE	.2	.4	1.6	1.0	.1							3.5	9.4
ENE	.2	.2	.6	1.5								3.1	9.7
E	.3	1.1	1.8	.4								4.1	6.9
ESE	.2	1.6	1.5	.4								4.1	6.6
SE	1.4	1.4	1.9	.8								5.4	6.6
SSE	.2	2.2	2.2	1.3	.1							6.0	8.0
S	.4	2.5	4.4	2.7	.2	.2						10.9	9.0
SSW	.1	2.3	2.3	3.2	.6	.1						8.8	10.2
SW	.1	1.1	3.1	4.7	1.6	.5						12.0	11.7
WSW	.1	1.4	3.4	3.7	1.4	.1						10.3	11.1
W	.1	1.4	1.6	.8	.2							4.1	8.3
WNW	.1	1.1	1.2	.6	.1							3.2	8.2
NW	1.0	1.1	1.4	1.4	.2							5.1	8.0
NNW	.4	.9	1.5	.6	.1							3.5	8.1
VARBL			.1	.3	.2							.6	14.7
CALM												6.5	
	9.6	21.8	32.2	24.9	5.1	1.1						120.7	8.5

TOTAL NUMBER OF OBSERVATIONS 910

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/HAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 5771 MILDENHALL RAF UK STATION NAME 74-23 YEARS MA?
MONTH 1970-1972
HOURS (L.S.T.)
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.3	2.9	1.5								6.1	8.4
NNE	.2	.5	1.2	1.7	.1							3.0	9.4
NE		.9	1.0	1.5	.1							3.1	10.9
ENE	.1	.9	1.1	1.2	.1							3.3	9.2
E	.1	.2	2.7	2.3	.4							5.3	11.1
ESE	.2	.3	1.2	1.1								2.8	9.4
SE	.2	.3	1.5	1.7								4.2	9.7
SSE	.1	.3	1.7	2.8	.1							6.3	9.9
S	1.3	1.9	2.7	4.9	1.4							11.3	10.8
SSW	.1	1.1	2.0	3.5	1.0	.4						8.5	12.2
SW	.4	1.1	2.3	2.6	1.5	1.4						8.7	12.7
WSW	.1	.4	1.8	3.9	2.6	1.1	.2					10.2	14.8
W	.4	1.5	1.1	3.1	1.7	.8		.1				8.7	13.7
WNW		.5	1.7	1.3	.8	.2						3.8	13.1
NW	.2	1.2	1.4	1.2	.2	.1						4.3	9.7
NNW	.1	1.1	2.3	1.5	.2	.1						5.3	9.9
VARBL			.8	1.6	.8							3.1	14.7
CALM												2.3	
	8.0	14.1	27.2	36.7	11.0	3.9	.2	.1				100.0	11.1

TOTAL NUMBER OF OBSERVATIONS 930

U.S. AIR FORCE
 CLIMATE BRANCH
 AFMPC/AFMPC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

STATION 15071 WILDEHALL PARK STATION NAME 74-83 YEARS MONTH NORTH 1200-1400 HOURS (L.S.T.)
 ALL WEATHERS CLASS
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.1	2.4	1.4		.1						5.3	9.4
NNE	.4	.5	1.5	1.7	.1							4.3	9.9
NE		.1	1.1	1.9	.1							3.4	11.4
ENE		.1	1.5	1.7								3.5	10.8
E	.3	.3	2.2	1.8	.3							5.4	10.9
ESE	.1	.1	1.3	1.1								2.7	9.7
SE		.1	1.1	1.0	.1							2.5	10.7
SSE	.3	.1	1.3	3.5	.3							6.3	11.2
S	.2	.4	2.6	4.3	1.6							9.6	12.7
SSW	.2	1.7	1.4	3.8	1.6	.9						9.2	13.6
SW	.4	.9	1.3	3.3	2.1	.9						8.5	14.7
WSW	.1	.1	1.1	2.8	3.1	1.7						9.0	14.7
W	.1	.9	1.4	3.1	2.2	1.7	.2	.1				9.7	15.6
WNW	.1	.9	1.3	1.3	1.0	.4						4.8	12.5
NW	.1	.4	2.4	1.2	.2	.2						4.8	10.0
NNW	.1	.1	3.1	1.4	.1	.1						5.7	9.4
VARBL	.1	.1	1.4	1.6	.5	.1						3.9	11.9
CALM												1.5	
	3.3	10.6	28.6	37.0	13.2	5.4	.2	.1				100.0	12.3

TOTAL NUMBER OF OBSERVATIONS 93

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
ATTN: WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

5071 WILDENHALL RAF JK

74-83

MAP
MONTH

ALL WEATHER

15.00-17.00
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.6	4.8	2.3	.4							9.8	9.2
NNE	.2	.5	1.2	1.7	.3							4.0	10.2
NE	.2	.2	1.6	2.8								4.7	10.2
ENE	.2	.4	1.5	1.6	.4							4.2	10.2
E	.2	.8	2.6	1.6								5.2	9.1
ESE	.2	.3	2.3	.2								3.3	9.0
SE	.2	.1	.9	1.5	.2							2.8	11.7
SSE	.2	.3	2.7	2.3	.3							4.9	11.1
S	.2	2.1	2.2	3.1	1.5							9.4	10.8
SSW	.2	1.0	1.4	3.0	1.7	.4						7.7	12.9
SW	.2	.6	2.4	3.4	1.9	.7						8.9	12.4
WSW	.2	.6	1.6	3.1	2.2	.8						8.6	14.0
W	.2	.6	1.8	3.2	3.2	.9	.1					10.8	13.8
WNW	.2	.9	1.7	1.1	.8	.1						3.9	11.6
NW	.2	.7	1.3	.4	.3	.1						3.4	8.8
NNW	.2	1.4	1.7	.8	.1							4.6	7.5
VARBL			1.7	1.1	.5	.1						3.4	12.7
CALM												.0	
	5.4	12.4	31.8	33.2	13.9	2.6	.1					13.7	11.2

TOTAL NUMBER OF OBSERVATIONS 930

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 571 MILDENHALL PAF K STATION NAME 74-83 YEARS MAC MONTH 1800-2000 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED KNTS. DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	1.1	2.2	4.0	.9	.3							8.7	7.2
NNE	.3	.1	2.1	1.7	.4							4.8	9.3
NE	.3	1.2	1.9	.9								4.3	8.3
ENE	.2	1.9	1.9	.8								4.7	7.3
E	.9	1.7	2.5	.7	.3							5.4	7.1
ESE	.5	1.1	1.6	.3								3.4	7.2
SE	.9	1.3	1.9	1.0	.2							5.2	8.1
SSE	.4	1.5	1.8	1.1	.1							4.9	8.1
S	.5	1.3	2.8	3.3	1.1	.7						11.5	9.4
SSW	.5	1.1	1.6	2.8	1.5	.3						7.8	12.7
SW	.5	1.8	3.2	3.9	.8							12.4	9.9
WSW	.8	.6	1.9	3.1	.5	.1						7.1	11.3
W	1.2	1.4	2.0	2.3	.8	.3						8.1	9.9
WNW	.1	.4	.8	1.7	.1							2.6	13.1
NW	.4	1.1	.2	.5	.1							2.4	6.9
NNW	.3	.2	.6	.3	.1							2.3	7.2
VARBL			.1	.3	.2							.6	14.7
CALM												6.1	
	10.1	21.9	31.1	23.4	6.5	1.7						100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 937

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 5071 BILDENHALL RAF UK STATION NAME 74-63 YEARS MAP
 MAP 8100-2300
 DATE 1100-2300
 CLASS ALL WEATHER
 CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	2.1	2.9	.4								5.2	6.7
NNE	.4	1.1	1.2	.6	.2							3.5	6.4
NE	.9	.2	2.2	.2								2.3	7.4
ENE	.5	1.3	1.2	1.2								4.3	7.7
E	.5	.6	2.1	.1	.2							3.3	7.1
ESE	.3	.6	1.7	.4								5.3	7.2
SE	.3	1.7	1.5	1.5								5.3	8.1
SSE	1.4	2.1	1.2	1.7								5.6	6.3
S	.4	2.5	3.1	2.4	.2	.1						9.1	9.4
SSW	.4	1.1	2.3	3.7	1.3	.4						9.8	11.7
SW	.7	2.5	3.5	4.1	1.3	.2						11.8	11.6
WSW	.4	1.1	2.3	3.8	1.7	.4						8.9	11.7
W	.7	2.3	2.0	1.8	.6							7.7	8.6
WNW	.1	.6	.3	.7								1.5	5.9
NW	.4	1.1	.9	.7	.2	.2						3.3	7.9
NNW	.4	1.1	.6	.1								2.7	5.3
VARBL												.1	6.7
CALM												9.8	
	10.1	21.3	29.2	22.0	5.4	1.1						100.7	8.0

TOTAL NUMBER OF OBSERVATIONS 937

U.S. AIR FORCE CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

1977 HILDENHALL RAF UK 74-83

STATION STATION NAME YEARS

ALL WEATHER

CLASS

CONDITION

MAC MONTH ALL HOURS (L.S.T.)

SPEED KNTS, DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.8	3.0	1.1	.1	.7						6.7	7.7
NNE	.4	.2	1.3	1.7	.2	.7						3.9	8.7
NE	.5	.6	1.6	1.2	.7							3.6	9.3
ENE	.3	.7	1.2	1.2	.1							3.5	9.1
E	.4	1.7	2.1	.9	.2							4.6	6.3
ESE	.6	.8	1.5	.6								3.4	7.1
SE	.4	1.1	1.5	1.1	.1							4.3	8.2
SSE	.6	1.5	1.8	1.6	.1							5.6	8.6
S	.4	2.1	3.1	3.2	.9	.1	.7					10.3	10.0
SSW	.4	1.4	2.4	3.3	1.2	.5	.3					9.4	11.4
SW	.7	1.4	2.9	3.6	1.4	.4						10.4	11.3
WSW	.7	1.7	2.1	3.6	1.6	.5	.7					9.4	12.5
W	.7	1.2	1.8	2.2	1.2	.5	.1	.7				7.6	11.5
WNW	.3	.7	.9	.9	.1	.1						3.1	10.4
NW	.3	1.1	1.3	.7	.2	.7						3.9	8.5
NNW	.4	1.0	1.5	.7	.1	.7						3.8	8.0
VARBL	.7	.7	.5	.0	.1	.7						1.5	12.8
CALM												5.4	
	8.3	18.4	30.2	27.3	8.7	2.3	.7	.7				100.3	9.4

TOTAL NUMBER OF OBSERVATIONS 7439

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

1971 MILDENHALL RAF UK 78-83 APP
STATION STATION NAME YEARS MONTH
ALL WEATHER CLASS
CONDION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	4.0	2.7	.6								1.6	5.4
NNE	1.7	3.1	2.2	.4								6.8	6.2
NE	.4	1.7	1.1	.9	.3	.2						4.7	8.5
ENE	.5	.7	.9	.1								2.1	6.2
E	1.2	1.9	.4	.3								3.8	5.1
ESE	.1	1.6	1.3	.3								3.9	6.2
SE	1.1	2.1	1.6	.1								5.1	5.3
SSE	.1	1.4	.3	.1								2.8	4.9
S	.7	2.6	1.2	.3	.1							4.9	6.3
SSW	.1	2.2	1.9	.8	.1							5.1	7.7
SW	.7	1.9	2.4	1.7	.1							6.7	8.1
WSW	.7	2.2	2.4	2.1	.6	.2						8.2	9.5
W	1.2	1.6	1.4	1.3								5.6	7.1
WNW	.5	.8	.7	.7	.1							2.8	7.9
NW	1.1	1.9	2.3	.6								6.1	6.2
NNW	1.3	2.3	2.0	.3								6.4	5.8
VARBL			.6									.6	8.8
CALM												14.0	
	15.4	32.7	25.6	10.6	1.7	.4						110.7	5.8

TOTAL NUMBER OF OBSERVATIONS 900

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

1971 HILDENHALL RAF UK 74-83 APR
STATION STATION NAME YEARS MONTH
ALL WEATHER CLASS 0300-0500
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	5.4	2.4	.8								10.0	5.9
NNE	1.1	3.2	1.9	.2								6.4	5.8
NE	.4	1.3	1.6	1.1	.3							4.7	8.7
ENE	.1	.4	1.6	.2								2.4	7.7
E	1.1	.9	.9	.3								2.8	5.7
ESE	1.1	1.3	1.7									3.4	5.0
SE	1.3	2.1	2.2	.1								5.8	5.7
SSE	.7	.9	.9	.1								2.6	6.1
S	.8	1.8	1.3	.1								4.0	5.6
SSW	.3	1.3	1.9	1.0	.3							5.3	7.9
SW	.3	2.2	2.7	1.7	.1							7.4	7.7
WSW	.1	1.4	1.6	1.9	.9	.1						6.1	11.1
W	.1	1.9	1.7	1.0								5.2	7.1
WNW	.1	1.3	1.1	.8	.1							3.6	8.1
NW	1.4	1.9	1.9	1.7								6.2	6.9
NNW	1.7	2.9	2.8	.7	.1							8.1	6.2
VARBL			.1									.1	9.2
CALM												15.2	
	14.3	30.0	27.4	11.0	1.9	.1						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7571 MILDENHALL RAF UK 74-87 APP
STATION STATION NAME YEARS MONTHS
ALL WEATHER 0600-0800
CLIM HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	3.6	4.1	1.3								12.6	7.7
NNE	1.4	1.6	3.1	.6								6.6	6.8
NE	.3	1.7	1.9	1.4	.1							4.3	8.9
ENE	.5	1.1	1.4	.9								4.3	7.6
E	.4	.4	1.7	.6								3.2	7.9
ESE	.1	.7	1.7	.1								1.9	7.1
SE	.2	2.2	2.0	.3								5.3	5.9
SSE	1.1	1.2	1.1	.4								3.8	6.4
S	.9	1.9	1.7	.6								4.3	6.0
SSW	.5	1.7	1.4	2.1	.7							5.8	10.7
SW	.6	1.4	2.1	1.6	.3							6.2	8.7
WSW	.9	1.2	2.2	1.4	.6	.2						6.6	9.5
W	1.5	1.7	1.9	1.8	.3							7.2	8.0
WNW	.1	.6	1.6	2.1	.1							4.4	12.5
NW	.7	1.7	2.1	1.7								5.4	7.6
NNW	.8	2.4	2.9	1.9	.2							8.2	8.2
VARBL			.4	.3								.8	13.6
CALM												11.3	
	12.1	23.7	31.9	18.8	2.1	.2						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 900

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 1571 MILDENHALL RAF UK STATION NAME YEARS 74-83
ALL WEATHER CLASS
CONDITION
APPROX NORTH 1900-1100 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	.7	2.0	6.3	6.1	.3	.1						15.6	9.9
NNE	.3	1.6	1.7	2.7	.2							6.4	9.2
NE	.5	.4	2.7	1.8	.1							4.9	9.3
ENE	.1	.8	1.2	1.2								3.3	9.1
E	.1	1.4	1.3	1.9								5.6	8.7
ESE	.4	.4	.9	.4								2.2	8.0
SE	.3	.7	1.2	1.3								3.8	8.8
SSE	.3	.3	1.4	1.7	.2							3.2	9.7
S	.4	1.6	.7	.9								3.6	7.2
SSW	.6	.8	1.3	1.9	.7							5.2	10.8
SW	.7	1.2	1.6	2.0	1.0	.1	.1					6.7	10.6
WSW	.9	1.7	1.7	1.4	.4	.1						5.6	9.4
W	.6	1.1	2.6	2.0	1.1	.6						7.9	11.3
WNW	.8	.3	1.0	1.6	1.0	.1						4.8	11.3
NW	.4	.8	1.1	1.6	.4							4.3	10.2
NNW	.4	1.0	2.1	3.4	.4	.2						8.3	10.7
VARBL	.1	.4	2.4	2.7	.8							6.4	11.4
CALM												2.6	
	8.3	16.1	31.0	33.9	6.8	1.2	.1					100.0	9.7

TOTAL NUMBER OF OBSERVATIONS 970

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 15771 MILDENHALL RAF UK STATION NAME 74-83 YEARS APR 1200-1400
ALL WEATHER CLASS HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.1	5.8	7.8	1.0	.1						16.3	11.1
NNE	.6	1.2	3.1	3.4	.1							8.4	9.9
NE	.7	1.1	1.6	2.4	.1							5.2	9.2
ENE	.1	.7	.2	1.8								2.8	10.7
E	.4	.7	1.1	2.9	.1							5.2	10.4
ESE		.2	.8	.7	.1							1.8	11.5
SE		.1	.6	1.4	.2							2.9	11.2
SSE	.2	.2	.6	2.1	.1							3.2	11.4
S	1.1	.4	1.6	1.2	.1							4.3	8.5
SSW	.4	.7	1.7	1.1	.4							4.3	9.7
SW	.1	.4	.9	2.7	.3	.3						4.2	12.6
WSW	.4	.6	2.2	1.6	.7	.3	.2					6.0	11.8
W	.4	1.9	2.2	2.2	1.2	.2						8.2	10.4
WNW	.1	.7	1.6	2.0	.8							5.1	11.4
NW		.8	1.9	1.7	.7							5.7	11.0
NNW	.5	1.0	1.8	2.4	.4							6.2	10.0
VARBL			3.7	3.6	.4							7.7	11.2
CALM												2.8	
	5.7	12.3	30.8	40.3	6.9	1.0	.2					100.0	10.4

TOTAL NUMBER OF OBSERVATIONS 900

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1971 WILDMHALL RAF MX 74-83
STATION NAME STATION NAME YEARS
ALL WEATHER CLASS
CONDITION
APR 1500-1700
MONTH HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.9	7.0	5.0	1.1	.4						15.2	10.7
NNE	.4	1.1	5.1	4.7	.4							11.8	10.4
NE		.9	1.9	3.2								6.3	10.3
ENE	.1	.2	.7	3.6								4.8	12.1
E	.4	.8	1.3	2.7								4.6	9.3
ESE		.1	1.7	.3	.1							1.6	9.6
SE	.2	.7	1.7	2.2								4.1	10.1
SSE	.1	.3	1.4	2.7	.2							4.9	10.9
S	.1	.8	1.7	.8	.1							3.1	8.4
SSW	.1	.4	.9	1.7	.1							2.8	9.3
SW	.1	.6	1.1	2.1	1.1							5.2	12.0
WSW	.1	.7	1.7	2.2	.7	.7	.1					6.1	13.2
W	.3	1.2	2.7	3.4	.4	.3						8.3	11.0
WNW	.4	.9	1.3	2.1	.3							5.1	10.7
NW	.2	1.7	.9	1.3								3.3	8.9
NNW	.4	1.6	1.7	1.3	.2							5.2	8.8
VARBL	.1		2.8	1.9		.1						4.9	12.8
CALM												2.3	
	4.6	13.1	33.6	39.9	4.9	1.6	.1					100.0	10.3

TOTAL NUMBER OF OBSERVATIONS 900

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 15771 HILDENHALL RAF UK STATION NAME 74-83 YEARS MONTH APR
ALL WEATHER CLASS 1800-2000 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	3.8	6.7	2.6	.8	.1						15.2	6.7
NNE	.4	3.2	6.6	3.1								13.3	6.5
NE	.4	1.9	3.2	2.6	.2							8.9	9.1
ENE	1.3	1.1	2.7	.8								5.9	7.3
E	.2	1.3	2.4	.3								4.8	7.0
ESE	.5	2.4	.9	.7	.1							4.7	6.4
SE	.1	1.6	1.7	1.1								4.7	8.1
SSE	.7	1.4	1.7	.6								4.7	7.4
S	.2	1.3	1.2	.2	.1							3.6	6.6
SSW	.5	1.6	.6	.7								3.3	6.6
SW	.4	2.1	1.7	1.9	.3	.1						6.1	8.6
WSW	.7	1.1	2.3	1.0	.4	.4						5.9	9.9
W	.3	1.7	2.1	1.2		.1						5.4	8.5
WNW	.3	.3	1.4	.8	.1							3.7	9.2
NW	.7	.4	1.6	.7	.1							3.0	9.1
NNW	.3	.7	.4	.1								2.7	5.4
VARBL			.2									.2	10.0
CALM												6.1	
	9.7	26.9	38.0	17.8	1.9	.8						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 900

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

15271
STATION

MILDENHALL RAF UK
STATION NAME

74-83
YEARS

APR
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	2.4	3.3	3.6	1.0	.1							10.4	6.4
NNE	1.3	5.6	4.9	1.6	.1							13.4	7.3
NE	.3	2.6	1.4	.3		.1						4.7	7.3
ENE	.4	.7	1.4	.3								2.9	7.1
E	.9	2.2	1.8	.2								5.1	5.8
ESE	.6	2.9	.4	1.2								5.1	6.6
SE	.4	1.9	2.4									4.8	6.4
SSE	.3	1.1	1.2	.3								3.3	6.1
S	.7	2.2	2.2	.6								6.7	6.4
SSW	.4	1.9	1.1	.6								3.9	6.9
SW	.4	2.4	2.7	1.4	.1							6.4	7.8
WSW	.6	.7	1.3	1.8	.7							5.0	10.5
W	.4	2.3	3.2	1.4								7.4	7.7
WNW	.7	.8	.6	.3	.1							2.4	6.3
NW	1.2	1.3	1.1	.1								3.3	5.1
NNW	1.6	1.7	.2	.1								3.6	4.3
VARBL			.1									.3	9.7
CALM												10.7	
	13.1	34.4	29.3	11.2	1.1	.1						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 15771 HILDENHALL RAF UK STATION NAME 74-83 YEARS APR MONTH
ALL WEATHER CLAS ALL HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	3.2	4.8	3.1	.4	.1						13.1	6.4
NNE	.3	2.5	3.6	2.1	.1							9.2	8.2
NE	.4	1.4	1.9	1.7	.2	.1						5.6	9.7
ENE	.4	.7	1.3	1.1								3.5	8.6
E	.3	1.2	1.4	1.1	.7							4.3	7.7
ESE	.4	1.2	.9	.5	.7							3.1	6.9
SE	.6	1.5	1.6	.8	.7							4.5	7.3
SSE	.5	.7	1.1	.9	.1							3.5	5.1
S	.5	1.7	1.3	.6	.1							4.3	6.8
SSW	.5	1.2	1.3	1.1	.3							4.5	8.7
SW	.7	1.5	1.8	1.7	.4	.1	.7					6.1	9.3
WSW	.5	1.1	1.9	1.7	.6	.3	.7					6.2	10.6
W	.7	1.7	2.2	1.8	.4	.2						6.9	9.1
WNW	.4	.7	1.7	1.3	.3	.0						3.9	9.7
NW	.7	1.2	1.6	1.7	.2							4.7	7.9
NNW	1.7	1.7	1.7	1.3	.2	.1						6.7	7.8
VARBL	.1	.1	1.3	1.1	.2	.2						2.6	11.7
CALM												8.1	
	10.3	23.1	31.9	22.9	3.4	.7	.1					100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 7200

U.S. AIR FORCE
 CLIMATE BRANCH
 AFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

STATION
 5771

STATION NAME
 WILDENHALL PAF OK

YEARS
 74-83

MONTH
 MAY

ALL WEATHER

0000-0200
 HOUR (L.S.T.)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.9	3.5									7.6	5.9
NNE	1.3	1.4	2.7	.1								4.9	5.7
NE	1.1	1.7	1.1	1.1								4.7	7.1
ENE	.6	1.3	1.7	.4								3.3	6.3
E	1.9	2.9	2.2	.2								6.7	5.4
ESE	1.4	1.1	.6	.2								3.3	4.9
SE	1.4	3.3	.9	.8								6.3	5.4
SSE	1.7	2.3	.9	.5								5.2	5.6
S	1.7	3.1	2.6	.3								7.5	5.9
SSW	1.4	2.1	3.0	1.5		.1						9.7	7.7
SW	1.1	1.9	2.8	1.1								7.7	7.6
WSW	.3	2.9	1.7	1.4								5.9	7.8
W	.4	1.9	2.4	.9	.1							5.3	7.7
WNW		.9	.8									1.6	6.7
NW	.3	1.4	1.2									3.5	5.4
NNW	1.1	2.2	1.7	.1								4.3	5.4
VARBL													
CALM												14.9	
	16.2	32.4	27.5	8.8	.1	.1						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 15771 MILDENHALL RAF UK STATION NAME 74-83 YEARS MAY
NORTH
CLASS ALL WEATHER 0300-0500
HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	3.7	2.7	.1								7.5	5.8
NNE	.3	1.5	2.4	.3								5.1	6.5
NE	.3	1.2	1.6	1.3								4.9	7.4
ENE	.4	.2	.9	.3								1.8	7.1
E	1.1	1.9	2.7	.1								5.8	6.2
ESE	1.2	1.2	1.7	.1								4.2	5.5
SE	1.2	2.2	1.5	.3								5.2	5.6
SSE	1.5	2.1	.5	.4								4.5	5.0
S	1.7	1.8	3.4	.3								7.3	6.8
SSW	1.7	2.4	2.4	.9								6.6	6.9
SW	.4	2.6	2.8	1.5								7.3	8.0
WSW	.4	1.8	1.7	1.3	.1							5.5	7.7
W	.4	1.2	2.4	.3								4.5	7.0
WNW	.3	.4	1.2	.2								2.0	7.8
NW	.2	1.4	1.9	.4								4.5	6.5
NNW	1.4	2.3	1.7	.2								4.8	5.3
VARBL													
CALM												13.4	
	14.5	27.7	30.8	8.1	.1							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 930

U.S. AIR FORCE
CLIMATE BRANCH
AFETAC
WEATHER SERVICE/PAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 577 HILDENHALL PAC K STATION NAME YEARS 71-83
CLASS ALL WEATHER
CONDITION
HOURS 0600-1800
HOURS (L.S.T.)

SPEED KNTS: DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.7	3.7	1.7								7.3	7.9
NNE	1.0	1.7	2.5	1.4								6.6	7.4
NE	.4	.4	2.0	2.0	.2							5.5	9.7
ENE	.4	.4	1.7	.9								3.1	7.8
E	1.4	1.7	2.3	1.4	.1							6.1	7.8
ESE	1.4	1.7	2.9	1.4								7.5	7.3
SE	.4	2.3	1.4	.3								4.4	6.5
SSE	.4	1.7	.8	1.1								3.3	7.4
S	1.2	1.3	2.3	1.7	.1							6.5	7.9
SSW	.1	1.5	2.7	2.6								7.7	8.4
SW	.2	1.3	2.7	2.9	.1							8.5	8.7
WSW	.2	1.7	2.6	1.3	.2							6.2	8.7
W	.2	1.6	2.4	1.8								6.3	8.3
WNW	.2	.6	1.9	.2								3.2	7.4
NW	.1	1.3	2.5	.9								4.5	7.9
NNW	.7	1.2	2.5	.8	.1							5.1	7.9
VARBL			1.7	.5								2.3	9.6
CALM												6.2	
	11.1	22.4	37.6	21.9	.9							100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 511

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1971 WILDENHALL DAF JK 74-83 MAY
STATION STATION NAME YEARS
ALL WEATHER CLASS 0000-1100
HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 15	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.6	3.5	3.5	.1							8.2	9.9
NNE	.1	1.2	1.7	1.7	.1							4.2	9.3
NE	.1	.3	1.3	2.3	.6	.7						5.6	11.2
ENE	.3	.7	.6	1.3	.3							3.4	9.8
E	.1	1.1	1.1	3.5								5.5	10.1
ESE	.1	1.1	.6	2.7	.2							4.4	9.7
SE	.2	1.1	1.2	1.8								4.3	9.4
SSE	.2	.6	.8	.8								2.7	8.2
S	.2	2.4	2.1	2.3	.3	.1						7.7	8.8
SSW	.1	1.9	2.5	2.3	.9							7.5	9.7
SW	.4	1.1	2.3	3.2	1.7	.1						8.1	11.2
WSW	.1	1.1	1.3	1.9	.5	.1						5.3	10.8
W	.4	.9	2.7	2.7	.2							5.9	10.3
WNW	.2	.9	1.1	.9	.1							3.1	8.9
NW	.1	.6	1.1	.5	.1							2.7	8.2
NNW	.1	.9	2.5	1.5	.1							4.9	9.6
VARBL		.1	6.2	6.1	.1							12.6	10.9
CALM												3.1	
	5.7	16.2	31.7	37.8	8.6	.5						100.0	9.7

TOTAL NUMBER OF OBSERVATIONS 930

1. FAULT AIOLOGY BRANCH
 USAFETAC
 3. WEATHER SERVICE /MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: WILDENHALL RAF UK YEARS: 74-83 MONTH: MAY
 ALL WEATHER CLAS: 1200-1400
 HOURS (L.S.T.):
 CONDITION:

SPEED KNTS; DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.2	4.1	2.8	.3							8.2	10.0
NNE	.2	.2	1.8	3.1								6.3	10.3
NE	.2	.6	.9	2.0	.9							4.6	11.9
ENE	.2	.2	.6	1.1	.4	.1						2.7	12.1
E	.1	.6	1.3	3.3	.4							5.8	11.3
ESE	.1	.1	.6	1.5	.2							2.2	10.7
SE		.3	.6	2.2	.3							3.3	11.9
SSE	.4	.4	1.1	1.4	.1							3.3	9.6
S	.2	1.8	2.6	2.2	.4							7.8	8.9
SSW	.4	.8	1.7	1.4	1.3	.3						6.1	11.6
SW	.1	1.1	2.1	3.8	1.1	.2						8.3	12.1
WSW	.4	.2	2.4	2.8	.5							7.2	10.4
W	.4	1.2	1.8	2.4	.3							6.3	9.5
WNW	.1	.2	.9	.8	.1							2.6	9.0
NW	.2	1.1	.8	.3	.1	.1						2.6	8.6
NNW	.4	.4	2.3	.9								4.2	8.6
VARBL		.1	6.2	7.8	.9	.1						15.3	11.5
CALM												1.8	
	5.2	12.9	32.2	39.7	7.4	.9						111.7	10.5

TOTAL NUMBER OF OBSERVATIONS 932

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

15271 MILDENHALL RAF UK 74-83 MAY NORTH
STATION STATION NAME YEARS
ALL WEATHER CLASS 1520-1700 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.6	5.3	3.2	.2							11.2	9.3
NNE	.1	.5	4.2	3.2								8.2	10.3
NE	.1	.2	1.0	2.5	.5	.1						4.6	12.4
ENE	.1	.3	1.1	1.1	.1							2.7	10.3
E	.1	.5	1.5	3.3	.3							5.8	11.6
ESE	.1	.4	.9	3.2	.5							4.9	12.1
SE	.1	.5	1.7	1.5	.3							4.4	9.9
SSE	.1	.5	.8	1.4								2.9	10.1
S	.1	1.3	2.6	2.7	.4							6.6	12.2
SSW	.1	1.1	2.4	2.8	.4	.3						7.2	10.9
SW	.1	1.4	1.5	2.9	1.7	.3						7.2	12.0
WSW	.1	1.7	2.9	1.9	.6							7.1	9.6
W	.2	1.7	2.8	2.7	.3	.2						8.0	9.9
WNW	.1	.4	.3	.5	.3	.1						1.9	10.3
NW	.1	.1	1.2	.5	.1	.2						2.3	11.1
NNW	.1	.2	1.4	.4								3.1	7.2
VARBL			5.2	4.1	.9	.1						10.2	11.4
CALM												1.9	
	3.4	12.8	36.5	37.4	6.7	1.4						100.0	10.3

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 5571 MILDENHALL RAF UK STATION NAME 74-83 YEARS MAY
MONTH 1800-2000
HOURS (L.S.T.)
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS): DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	7.1	5.2	1.2	.1							10.8	7.5
NNE	.2	2.2	4.0	2.3								9.2	8.3
NE	.1	1.7	2.5	2.5								6.1	9.6
ENE	.5	.3	1.1	1.7		.1						3.0	8.8
E	.1	2.3	3.7	2.7	.1							8.8	3.8
ESE	.1	1.2	2.8	1.6								5.7	9.1
SE	.6	.8	2.4	.6								4.4	7.7
SSE	.4	1.6	2.2	.8	.1							5.1	7.3
S	.2	3.1	4.2	.9	.1							9.1	7.5
SSW	.2	2.3	2.4	1.4	.4	.1						7.3	8.5
SW	.5	1.5	1.5	1.6	.4	.2	.1					6.2	10.1
WSW	1.0	1.1	1.7	1.4	.5							5.7	8.9
W	.8	1.4	2.0	1.5								5.7	8.1
WNW	.2	.7	1.5	.3	.1	.1						3.1	9.1
NW	.1	.4	.3	.2								1.4	6.4
NNW	.3	1.1	.9	.1								2.4	6.2
VARBL			.5	.6	.3							1.5	12.6
CALM												4.7	
	6.4	24.3	38.7	21.0	2.3	.5	.1					100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

15771 MILDENHALL RAF UK 74-83 MAY
STATION NAME YEARS MONTH
ALL WEATHER CLASS 2100-2300 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	4.1	3.0	.3								8.8	5.9
NNE	.9	2.4	3.7	.3								7.2	6.6
NE	.3	1.5	1.4	.8	.1							4.1	7.5
ENE	.6	1.3	1.4	.2								3.5	6.3
E	2.2	4.1	2.9	.3								9.4	5.6
ESE	1.2	1.5	2.7	.1								4.3	6.1
SE	.8	3.7	1.4	.1								5.9	5.5
SSE	1.2	2.5	2.4	.4								6.5	6.1
S	1.4	4.1	3.8	.4	.2							9.8	5.6
SSW	1.3	2.6	2.7	1.7	.2	.2						8.0	7.5
SW	.8	2.3	1.8	2.0	.1							7.0	8.2
WSW	.3	1.3	1.9	.6								4.2	7.5
W	.3	1.3	1.1	.9								3.5	7.5
WNW	.2	.6	.4	.2								1.5	6.4
NW	.5	.9	.6									2.7	5.2
NNW	1.2	1.1	.9									3.1	4.9
VARBL			.2									.2	9.5
CALM												10.4	
	14.6	34.7	31.6	7.7	.6	.2						100.3	5.8

TOTAL NUMBER OF OBSERVATIONS 937

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1971 MILDENHALL RAF UK 74-83
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
MAY
MONTH
ALL
MONTHS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	2.3	3.9	1.5	.1							8.6	7.8
NNE	.4	1.5	2.8	1.6	.7							6.5	8.2
NE	.2	.9	1.5	1.8	.3	.7						5.0	9.6
ENE	.4	.7	1.7	.8	.1	.7						3.0	6.3
E	.9	1.7	2.2	1.8	.1							6.7	8.2
ESE	.7	1.1	1.5	1.3	.1							4.8	8.2
SE	.6	1.8	1.4	1.7	.1							4.8	7.4
SSE	.7	1.4	1.1	.8	.7							4.2	7.1
S	1.4	2.3	2.9	1.3	.2	.7						7.8	7.7
SSW	.9	1.7	2.5	1.7	.4	.1						7.3	8.8
SW	.1	1.7	2.2	2.4	.5	.1	.7					7.4	9.8
WSW	.7	1.4	2.7	1.6	.3	.7						5.8	9.7
W	.5	1.3	2.1	1.6	.1	.7						5.7	8.7
WNW	.2	.7	1.0	.4	.1	.7						2.4	8.2
NW	.4	.9	1.2	.3	.7	.7						2.9	7.3
NNW	.7	1.2	1.5	.5	.3							4.0	7.0
VARBL	.7	.7	2.6	2.4	.3	.7						5.3	11.2
CALM												7.7	
	11.0	22.9	33.3	22.8	2.9	.5	.0					170.7	7.8

TOTAL NUMBER OF OBSERVATIONS 7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7571 MILDENHALL RAF UK 74-83 JUN
STATION STATION NAME YEARS MONTH
ALL WEATHER CLASS 0000-0200 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	3.1	2.1	.9	.1							8.3	6.2
NNE	1.1	2.4	.8	.1								4.4	4.8
NE	.7	1.1	1.0									2.3	6.3
ENE	1.3	.2	.6	.2								2.3	5.1
E	1.3	1.7	1.6	.2								5.2	5.3
ESE	1.2	1.3	1.4									4.0	5.3
SE	1.3	1.9	.6									3.8	4.5
SSE	2.7	1.3	.1	.1								3.6	3.6
S	1.6	2.6	1.1	.8								5.7	5.4
SSW	1.8	2.3	1.7	.8								6.6	6.2
SW	1.3	5.6	4.7	.8								12.7	6.4
WSW	1.2	2.6	4.3	1.0	.1							9.7	7.4
W	1.5	2.7	2.1	.2								6.6	5.7
WNW	.9	1.1	.6	.7								3.0	6.9
NW	.9	1.6	.3									2.7	4.7
NNW	2.1	2.7	1.1	.2								5.4	4.8
VARBL			.1	.1								.2	11.5
CALM												13.6	
	22.2	34.3	23.9	5.8	.2							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 920

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

15771
STATION

MILDENHALL RAF UK
STATION NAME

74-83
YEARS

JUN
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	3.2	1.8	.6								7.1	5.7
NNE	1.7	2.2	1.2									5.1	4.9
NE	.7	.8	1.6									3.7	6.0
ENE	.2	.7	.2									1.1	4.6
E	1.7	1.4	.9	.3	.1							3.7	6.0
ESE	1.4	1.4	.6	.7								3.8	4.7
SE	1.1	1.7	.7									3.4	4.9
SSE	1.1	1.7										2.1	3.6
S	1.8	1.8	1.2	.2								5.0	5.2
SSW	2.6	3.7	2.6	.6								9.3	5.5
SW	2.3	3.3	4.8	1.3								11.8	6.8
WSW	1.4	2.6	4.4	.8								9.2	6.8
W	1.4	3.3	2.1	.3	.1							7.2	6.2
WNW	.8	1.1	.9	.4								3.2	6.3
NW	.6	1.4	.4									2.4	5.2
NNW	2.3	2.4	1.7	.3								7.1	5.3
VARBL													
CALM												15.3	
	22.7	32.4	25.0	5.0	.2							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 920

FEDERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 5771 MILDENHALL RAF UK STATION NAME 74-83 YEARS JUN
MONTH 1600-0800
CLASS ALL WEATHER HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	3.2	4.1	1.4								9.3	7.6
NNE	.7	2.4	3.3	.3								6.8	6.9
NE	.7	1.1	2.1	.4								3.9	7.3
ENE	.7	1.1	.3	.4								2.4	6.1
E	.7	.8	.9	.1								2.7	5.2
ESE	.2	.7	1.1	.6								2.7	7.7
SE	.4	1.1	1.4	.2								3.2	6.3
SSE	.2	1.1	.3	.2								1.8	5.8
S	.2	1.8	1.2	.4								4.3	6.7
SSW	.4	1.9	2.1	1.6								6.0	7.9
SW	1.1	2.3	4.2	2.9	.1							10.6	8.4
WSW	1.2	2.4	5.7	3.4								13.2	6.1
W	1.7	1.8	4.2	2.2	.3							10.2	8.0
WNW	.8	.9	2.1	1.4								5.1	8.5
NW	.3	1.1	1.4	1.7								3.8	8.0
NNW	1.1	2.2	1.4	.4								5.2	6.7
VARBL			1.7	.6								2.2	9.5
CALM												6.6	
	11.4	26.3	37.3	17.8	.8							100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 900

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/AFAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1971 MILDENHALL RAF UK 74-83 JUN
STATION STATION NAME YEARS MONTH
ALL WEATHER CLASS 0900-1100
CONDITION HOURS (L.S.T.)

SP. FD (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	.2	1.6	5.4	2.4	.1							15.1	8.9
NNE	.4	1.4	2.6	.6								5.3	7.5
NE	.4	.7	2.1	.9								4.3	8.3
ENE	.2	.7	.7	.2								1.8	7.1
E	.3	.3	.7	.4								2.3	7.3
ESE	.1	.7	.7	.2								1.7	7.7
SE	.1	1.1	1.1	.8								2.9	7.8
SSE	1.1	.9	.4	.1								2.4	5.0
S	.9	1.7	.9	.7								4.1	6.5
SSW	.7	.8	1.8	1.1								4.3	7.6
SW	.9	1.7	3.1	4.1								9.6	9.3
WSW	.3	2.2	2.9	3.2	.1							8.8	9.2
W	.9	2.1	4.1	4.8	.4							12.2	9.7
WNW	.8	.8	2.7	1.8	.3							6.3	9.2
NW	.4	1.1	1.8	1.1								4.4	8.3
NNW	.6	1.3	2.1	1.1								5.0	7.8
VARBL		.6	7.6	4.1	.4							12.6	9.9
CALM												2.1	
	8.6	20.2	40.2	27.4	1.4							100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 977

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 15771 MILDENHALL RAE UK STATION NAME 74-63 YEARS JUN MONTHS 12-14-20
CLASS ALL WEATHER HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.4	6.7	2.6	.1							10.3	9.2
NNE	.2	1.4	2.6	1.4								5.7	8.4
NE	.4	.4	1.2	1.3	.1							3.7	9.3
ENE		.1	.3	.6								1.1	9.7
E	.4	.2	1.7	.8								3.1	7.8
ESE	.1	.2	1.1	.4	.1							2.2	8.7
SE	.1	.2	.4	.9								1.8	9.8
SSE	.4	.2	.8	.6	.1							2.2	8.5
S	.3	1.2	1.2	1.3								4.1	8.4
SSW	.4	.8	1.7	1.3	.2							4.6	9.0
SW	.4	1.1	2.9	4.7	.4							8.8	10.6
WSW	.4	1.7	2.4	3.9	.7							9.3	10.1
W	.5	2.1	2.6	5.1	.4							10.7	10.3
WNW	.5	1.2	1.9	1.8	.6	.1						5.4	10.4
NW	.2	.7	.9	1.7	.1							2.9	9.5
NNW	.1	1.3	2.6	1.1								5.0	8.2
VARBL		.7	11.7	6.0	.4							17.8	9.9
CALM												1.3	
	4.7	16.4	40.3	14.0	3.3	.1						100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 970

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 5771 WILDENHALL RAF UK STATION NAME 74-83 YEARS JUN MONTH 1500-1700 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	2.7	6.3	3.1	.1							12.8	8.9
NNE	.8	1.1	4.0	1.7								7.8	8.8
NE	.7	1.7	.6	1.8								3.4	9.4
ENE		.3	.9	.4								1.6	9.8
E	.7	.9	2.1	1.6								5.2	8.4
ESE	.1	.7	1.2	.7								2.3	7.8
SE	.1	.4	.9	.9								2.2	9.3
SSE	.1	.4	1.3	.7								2.3	8.1
S	.4	.3	2.1	.9	.1							4.4	8.5
SSW	.6	.9	1.7	.9	.2	.7						4.4	9.2
SW	.8	.9	2.4	3.2	.3							7.6	9.9
WSW	.1	.4	4.6	3.9	.4	.1						9.8	10.8
W	.4	1.9	3.7	5.2	.4							11.6	10.3
WNW	.7	.4	1.2	1.9	.2							4.1	10.6
NW	.7	1.1	1.4	1.7	.1							3.9	8.9
NNW	.5	1.9	1.7	.3	.1							3.9	6.7
VARBL		.3	8.1	2.8	.1							11.3	9.7
CALM												1.7	
	5.7	16.6	42.3	30.2	2.2	.3						100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/NAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 18771 STATION NAME MILDENHALL RAF UK YEARS 74-83 MONTH JUL
CLASS ALL WEATHER RANGE 1800-2000
CONDITION NOVISE (L.S.T.)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.6	5.5	2.2								11.5	7.7
NNE	.7	1.9	5.2	1.3								9.1	7.9
NE	.1	1.4	3.7	.9								5.9	7.6
ENE	.1	1.0	.9	.7								2.7	8.1
E	.7	2.1	3.4	.4								6.9	6.9
ESE	.1	1.4	1.4	.9								4.7	7.6
SE	.7	2.7	2.7	.7								5.2	7.1
SSE	.4	.9	.9		.1							2.3	6.0
S	.4	1.2	.7	.2								2.7	6.2
SSW	.1	1.4	2.1	.4	.2	.1						5.5	7.3
SW	.7	2.9	4.3	2.7								9.9	8.1
WSW	1.1	2.7	5.3	2.7								10.3	8.2
W	1.2	2.1	4.1	1.7	.2							10.1	8.1
WNW	.1	.7	1.6	1.2	.7							4.0	8.9
NW	.1	.2	1.1	.6								2.1	8.8
NNW	1.1	.3	1.1	.3								3.2	5.9
VARBL		.1	.5	.8								1.4	10.7
CALM												3.2	
	1.5	24.9	45.1	15.6	.7	.1						103.0	7.5

TOTAL NUMBER OF OBSERVATIONS 809

LOCAL CLIMATOLOGY BRANCH
USAFETAC
WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
577

STATION NAME
HILLENHALL DAF AK

YEARS
70-83

MONTH
JUN

CLASS
ALL WEATHER

HOURLS (L.S.T.)
100-2300

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	3.9	2.2	1.1								5.3	6.5
NNE	.5	3.7	2.4	.3								6.2	6.1
NE	.4	1.4	1.3	.1								3.4	6.1
ENE	.1	2.4	.3	.1								3.2	5.3
E	1.1	2.7	1.8	.4								6.0	6.1
ESE	.3	2.3	1.2	.1								4.4	5.5
SE	1.4	2.3	1.2									5.1	4.4
SSE	.7	2.7	.7	.1								4.3	4.9
S	2.4	2.4	1.2	.3								6.6	4.9
SSW	.1	2.6	.9	.6		.1						5.1	6.2
SW	.3	4.9	5.1	1.4	.3							12.4	7.1
WSW	.7	2.4	2.6	1.2								6.9	7.1
W	.7	3.2	2.7	.2								7.3	6.1
WNW	1.1	1.2	1.2	.4								4.3	6.3
NW	1.1	.9	.3	.3								2.6	5.3
NNW	1.3	.6	.2	.7								2.8	5.5
VARBL			.3	.2								.6	10.9
CALM												11.0	
	16.3	38.9	25.8	7.7	.3	.1						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY SPANCH
USAFETAC
870 WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 7071 MILDENHALL RAF UK YEARS 74-83 MONTH ALL HOURS (L.S.T.)
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.7	4.2	1.8	.1							9.7	7.8
NNE	.2	2.1	2.3	.7								6.3	7.1
NE	.4	1.1	1.7	.6	.1							3.8	7.6
ENE	.4	.3	.5	.3								2.0	6.7
E	.2	1.4	1.5	.5	.1							4.4	6.6
ESE	.5	1.2	1.1	.3	.1							3.1	6.6
SE	.4	1.3	1.1	.4								3.5	6.3
SSE	.3	1.1	.6	.2	.1							2.6	5.5
S	1.1	1.7	1.2	.6	.1							4.6	6.2
SSW	1.1	1.7	1.8	.9	.1	.1						5.7	7.1
SW	1.1	2.3	3.9	2.5	.1							10.4	8.1
WSW	.3	2.1	4.1	2.4	.2	.1						9.7	8.5
W	1.1	2.4	3.3	2.3	.3							9.4	8.4
WNW	.5	.9	1.5	1.2	.2	.1						4.4	8.6
NW	.5	1.7	1.0	.6	.1							3.1	7.5
NNW	1.2	1.6	1.4	.6	.1							4.7	6.3
VARBL		.1	3.6	1.8	.1							5.3	9.9
CALM												6.8	
	12.7	26.3	35.1	17.7	1.1	.1						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 7109

UNCLASSIFIED

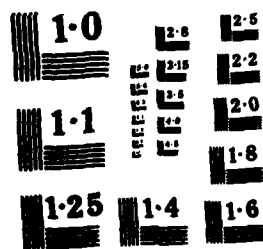
MILDFNHALL RAF UNITED KINGDOM REVISED UNIFORM SUMMARY
OF SURFACE WEATHER. (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A. APR 84
USAFETAC/DS 84/016 SBI-AD-E850 742 f/G 4/2

2/5

F/G 4/2

Ni

The image displays a 10x10 grid of 100 small, dark, rectangular images. Each image appears to be a scan of a handwritten digit or character, rendered in a high-contrast, black-and-white format. The digits are mostly '0's, but some are '1's, '2's, '3's, '4's, '5's, '6's, '7's, '8's, and '9's. The images are arranged in a regular grid pattern, with each digit centered within its respective cell. The background of the grid is white, and the digits are black.



JOINT CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 9771 HILDENHALL PAF UK 71-83 JUL
STATION NAME YEARS MONTH
CLASS ALL WEATHER 1000-5200
CONDITION HOURLY (L.S.T.)

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.9	.4	.1								5.7	4.5
NNE	1.1	1.4	1.1	.1								4.1	5.1
NE	.4	.2	.7									1.7	4.2
ENE	.4	.2	.6	.1								1.9	5.6
E	1.1	2.5	.6									4.2	4.6
ESE	1.3	.1	.6									2.9	4.5
SE	1.3	1.1	.3									3.4	4.2
SSE	.3	1.5	.2									2.9	4.2
S	1.4	2.4	.2									4.8	4.6
SSW	2.1	2.1	1.9	.6								7.3	5.5
SW	1.1	4.4	5.8	1.8								14.1	6.9
WSW	1.3	2.4	3.8	1.7	.1							9.2	6.9
W	.1	4.3	3.3	.1								8.7	6.1
WNW	.1	1.1	1.2	.1								2.5	6.5
NW	1.1	2.1	.9	.9								4.9	6.3
NNW	.4	.2	.5									2.4	4.9
VARBL			.1	.1								.7	10.3
CALM												0.2	
	19.7	31.4	22.6	4.9	.1							100.7	4.6

TOTAL NUMBER OF OBSERVATIONS 530

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 571 MILDENHALL RAF UK 74-63 YEARS JUL
MONTHS
CLASS ALL WEATHER 0370-0570
HOURS (L.B.T.)
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	2.3	1.3	.1	.2							5.4	5.8
NNE	.5	1.9	.4									3.1	4.0
NE	1.1	.4	.2	.7								1.8	4.5
ENE	.3	.5	.4	.1								1.6	5.3
E	.3	1.1	.9	.3								2.5	5.7
ESE	1.1	1.1	.3									2.2	4.6
SE	.5	1.1	.3									2.3	4.5
SSE	1.1	.9	.4									2.5	3.7
S	1.2	1.3	1.6	.1								4.2	5.4
SSW	2.1	2.4	2.5	1.7								8.6	6.5
SW	1.9	6.1	4.7	1.7								13.7	6.2
WSW	1.6	2.8	3.5	.3	.1							3.4	6.4
W	2.2	2.7	.5	.7								9.9	6.2
WNW	.6	.6	1.4									2.7	6.2
NW	.3	1.1	.5	.8								2.5	7.6
NNW	1.9	1.3	1.7	.1								4.3	4.6
VARBL			.1									.1	10.7
CALM												23.7	
	22.0	27.4	24.5	4.1	.3							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 933

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
WEATHER SERVICE/AMAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: 15771 HILDENHALL RAF UK 79-83 JUL
STATION NAME: ALL WEATHER YEARS: 3607-0600
CLASS: NOON (L.S.T.)
CONDITION:

SPEED KNTS: DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.2	2.2	.8	.1							8.2	6.4
NNE	.1	1.5	1.5	.3								3.5	6.6
NE	.2	1.4	.9	.2								2.9	5.4
ENE	.1	.6	.9	.3								2.3	6.5
E	1.0	1.3	1.7	.8								4.2	5.7
ESE	.3	.4	.6	.1								1.9	5.8
SE	.4	.5	.3	.3								1.7	5.8
SSE	.4	.5	.2									1.3	4.3
S	1.4	1.4	1.4	.3								5.1	5.4
SSW	.9	1.4	2.6	1.4	.1							6.2	8.2
SW	1.0	1.9	5.9	2.4	.3							11.9	8.3
WSW	.3	2.7	5.1	1.7								10.2	8.0
W	1.0	3.5	5.9	1.7	.1							12.5	7.3
WNW	.6	1.1	2.7	1.3								5.7	8.5
NW	.5	1.3	1.9	1.3								5.1	7.9
NNW	.8	2.4	2.1	.2								5.4	6.5
VARBL			1.9	.2								2.2	8.7
CALM												11.7	
	13.5	25.1	36.7	12.5	.5							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 93

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 7471 MILDENHALL RAF UK STATION NAME 74-63 YEARS JUL
MONTH 0900-1100
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.7	2.7	1.7								8.7	7.4
NNE	.5	1.6	2.4	.5								5.1	7.3
NE	.4	1.6	1.5	.8								4.3	7.5
ENE	.4	1.1	.3	.4								2.2	6.1
E	.4	1.1	1.2	.6	.1							3.3	7.8
ESE	.1	.6	.6	.2								1.8	6.8
SE	.4	.5	.8	.1								1.8	6.5
SSE	.0	.8	.2	.3								2.2	5.4
S	.5	.7	.4	.4	.1							2.4	7.2
SSW	.1	1.1	1.8	1.6	.3							5.2	9.8
SW	.5	.8	2.9	3.2	.1							7.6	9.8
WSW	1.1	1.3	3.9	3.8	.1							10.1	9.5
W	.9	2.4	5.1	4.5	.5							13.2	9.4
WNW	.3	1.7	2.4	2.3	.1							7.9	6.8
NW	.3	1.4	2.3	1.1		.1						5.7	7.7
NNW	.0	1.1	1.3	1.1								4.2	7.4
VARBL	.1		9.9	2.9								12.5	9.5
CALM												3.7	
	1.3	20.5	39.0	25.8	1.4	.1						100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 932

CLIMATE CLIMATOLOGY BRANCH
 AFETAC
 WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 071 MILDENHALL RAF UK STATION NAME 71-82 YEARS JUL MONTH
 ALL WEATHER CLASS 1990-1990 HOURS (L.B.T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	2.2	2.5	2.2	.1							7.5	6.3
NNE	.1	1.1	2.4	.6								4.4	7.9
NE	.1	.5	1.4	.6								2.7	6.3
ENE	.1	.4	.4	.2	.1							1.5	7.6
E	.1	1.7	1.9	.5								4.5	7.4
ESE	.4	.3	.3	.4								1.9	7.5
SE	.1	.4	.3									1.7	5.3
SSE	.5	.4	.1									1.2	3.9
S	.5	.3	.5	.2	.2							2.4	6.8
SSW	.1	.5	1.0	1.7	.3							3.6	10.7
SW	.2	.3	2.4	4.4	.3							8.1	11.3
WSW	.3	.3	4.1	4.2	.6							10.0	10.9
W	1.1	1.7	5.6	6.6	.3	.3						15.6	10.2
WNW	.0	1.5	2.4	1.2	.3							6.3	8.1
NW	.4	1.4	1.7	1.4	.2							5.2	9.7
NNW	.3	1.7	2.7	.8								5.3	7.1
VARBL	.0	.2	11.1	4.7	.1							15.5	9.6
CALM												2.7	
	7.7	17.4	40.1	29.0	2.7	.3						100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/PAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 5271 MILDENHALL RAF UK STATION NAME 74-83 YEARS JUL MONTH
CLASS ALL WEATHER 1500-1700 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.2	4.6	1.9								9.8	7.9
NNE	.4	.6	2.6	.9								4.5	6.4
NE	.2	.3	1.3	.8								2.9	6.8
ENE	.1	.9	1.1	.8								2.7	6.4
E	.7	1.3	2.1	1.3								4.9	6.2
ESE	.4	.7	.4	.3								1.4	7.2
SE	.5	.1	.5	.4								1.6	7.7
SSE	.8	.4	.8									2.2	5.2
S	.7	.4	1.2	.2								2.9	7.5
SSW	.7	1.1	1.2	1.1	.1							3.7	8.7
SW	.1	.9	2.3	3.2	.6							7.9	11.3
WSW	.7	1.1	1.9	4.7	.5							8.5	11.1
W	1.1	3.5	4.8	4.5	.8	.2						14.9	9.4
WNW	.4	2.2	1.9	2.1	.4							7.2	8.7
NW	.5	1.4	2.2	1.2	.1							5.6	8.1
NNW	1.7	2.7	2.1	.4								5.5	6.5
VARBL			5.2	5.1	.5							13.8	10.3
CALM												1.8	
	7.7	19.4	38.9	25.8	3.1	.2						100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 930

JAFETAC
 WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

STATION 571 HILDENHALL RAF UK STATION NAME 70-83 YEARS JUL MONTH
 ALL WEATHER CLASS 1300-2000 HOURS (L.S.T.)
 CONDITION

SPEED KNTS/ DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.5	3.2	.9								6.9	7.7
NNE	.5	1.8	2.9	.3								5.6	6.7
NE	.2	1.7	2.4	.6								4.4	7.9
ENE	.2	1.1	2.4	.1								3.8	7.1
E	.7	3.1	4.1	.6								8.7	7.3
ESE	.2	1.3	1.6	.1								3.5	6.4
SE	.4	.6	2.3	.1								3.4	6.9
SSE	.2	.6	1.7									2.9	6.6
S	.1	1.3	1.9	.3								4.2	6.9
SSW	.5	1.1	2.2	1.7								4.7	7.9
SW	.7	2.1	2.4	3.4	.1							8.5	9.2
WSW	.5	2.1	3.7	2.3	.2							8.4	8.7
W	1.7	5.1	3.2	1.3	.3							11.4	6.7
WNW	.3	1.1	2.3	1.5	.2							5.4	8.9
NW	.2	1.2	1.9	1.2								5.2	7.3
NNW	.3	1.9	1.6	.3								4.5	6.1
VARBL			1.5	.5	.1							2.2	9.9
CALM												7.1	
	9.4	27.3	40.8	14.6	1.0							10.3	7.5

TOTAL NUMBER OF OBSERVATIONS 932

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1971 MILDENHALL RAF UK 74-P
STATION STATION NAME YEARS
ALL WEATHER CLASS
0100-2300 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.5	.9	.1								3.4	4.7
NNE	.4	1.7	1.1	.1								3.3	5.8
NE	.1	1.6	1.3									3.8	6.3
ENE	1.4	2.6	.6	.1								4.6	4.6
E	1.3	3.2	1.1									5.7	4.8
ESE	1.4	2.2	1.1									4.6	4.9
SE	.3	2.6	.9									4.3	5.1
SSE	1.1	2.9	.9									4.8	4.7
S	1.3	2.3	1.1	.2								5.9	4.7
SSW	1.2	1.3	2.1	1.7								6.8	7.5
SW	.2	4.1	3.8	1.5								11.5	6.7
WSW	1.1	2.1	2.9	.5								6.8	6.7
W	.2	3.8	2.6	1.1								8.2	6.6
WNW	.4	1.6	1.6	.1								3.8	6.6
NW	.5	1.2	1.1	.1								2.9	6.3
NNW	.3	1.1	.8	.2								2.8	5.7
VARBL			.6	.2								.9	9.4
CALM												14.0	
	17.7	37.7	28.6	5.9								100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 930

U.S. NAVAL CLIMATOLOGY BRANCH
 USFETAC
 U.S. WEATHER SERVICE/NAAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 777 MILDENHALL RAF UK 74-83 YEARS JUL
 STATION NAME NORTH
ALL WEATHER
 CLAM
ALL
 HOURLS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.1	2.2	.9	.1							6.3	6.1
NNE	.7	1.5	1.8	.4								4.2	6.7
NE	.4	1.1	1.2	.4								3.1	6.8
ENE	.4	1.1	.9	.3	.1							2.9	6.3
E	.7	1.9	1.6	.5	.1							4.7	6.5
ESE	.7	1.1	.8	.1								2.6	5.6
SE	.7	1.7	.7	.1								2.3	5.6
SSE	.1	1.7	.6	.7								2.4	4.3
S	.0	1.5	1.7	.2	.7							3.9	5.7
SSW	.1	1.5	1.9	1.3	.1							5.8	7.6
SW	.1	2.6	3.8	2.6	.2							10.3	8.3
WSW	.9	1.9	3.5	2.1	.3							8.9	8.6
W	1.2	3.4	4.4	2.5	.1	.1						11.8	8.7
WNW	.7	1.4	2.7	1.1	.1							5.1	8.1
NW	.4	1.4	1.5	1.7	.7	.0						4.6	7.6
NNW	1.0	1.5	1.4	.4								4.3	6.2
VARBL	.1	.7	4.1	1.6	.1							5.9	9.8
CALM												10.5	
	13.1	26.0	33.4	15.7	1.1	.1						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 7487

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1771 MILDENHALL RAF UK STATION NAME 74-83 YEARS ALL MONTHS ALL
CLASS ALL WEATHER HOURS (L.S.T.) 1700-2200
CONDITION

SPEED KNTS, DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.3	1.7									4.5	4.8
NNE	1.1	1.3	.3									2.7	4.7
NE	.2	1.3	.6	.1								2.9	4.9
ENE	.3	.9	.4	.2								2.2	5.5
E	2.1	2.4	.3									4.7	4.7
ESE	1.7	2.3	.3									4.3	3.9
SE	1.1	2.1	.3									3.7	3.9
SSE	1.3	.3	.4	.2								2.8	4.9
S	2.7	2.3	1.1	.1								6.6	4.6
SSW	1.7	1.6	1.7	1.6								6.5	7.5
SW	1.6	4.4	5.1	.9								11.8	6.5
WSW	1.1	2.2	2.2	.6	.1							6.0	7.0
W	1.1	2.1	2.2	.9								6.9	6.6
WNW	1.1	.1	.6	.1								2.7	4.3
NW	1.1	1.6	1.2									3.9	5.3
NNW	.9	.3	1.1	.1								2.4	5.5
VARBL			.1									.3	5.3
CALM												26.5	
	20.3	29.7	18.9	4.8	.1							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 929

U.S. AIR FORCE
 CLIMATE RESEARCH
 CENTER
 WAFETAC
 AIR WEATHER SERVICE/AFAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 15771 HILDENHALL RAF JK STATION NAME 74-83 YEARS MONTH 11
 CLASS ALL WEATHERED HOURS (L.G.T.) 0700-1500
 CONDITION

SPEED KNTS DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	%	MEAN WIND SPEED
N	1.4	2.1	.4	.1							4.4	4.2
NNE	.0	.4	.4								1.7	3.9
NE	.0	.8	.9	.1							2.5	5.3
ENE	.0	1.3	.4	.3							2.4	5.6
E	1.7	1.9	.1								3.0	4.2
ESE	1.4	1.9	.4								3.7	3.9
SE	1.7	1.3	.5								3.1	4.2
SSE	1.4	1.4	.4	.1							3.3	4.4
S	1.4	2.6	1.4	.4							5.8	5.4
SSW	1.4	3.1	2.9	.2	.1						7.5	6.2
SW	1.4	3.9	3.9	1.7	.1						9.8	6.6
WSW	1.4	2.4	1.6	.8							6.8	6.0
W	.0	3.4	1.7	.9							6.8	6.3
WNW	.3	1.1	.6	.1							2.2	5.9
NW	1.2	1.9	1.1	.2							4.4	5.5
NNW	.9	2.2	.6								3.5	4.8
VARBL												
CALM											29.6	
	17.6	31.2	17.2	4.2	.2						100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 937

DISTAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 14571 MILDENHALL RAF UK STATION NAME 14-23 YEARS ALL WEATHER CLASS ALL WEATHER 630-7800 HOURS (L.S.T.)
CONDITION

SPEED KNOTS DIR	3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.3	1.1	.3								5.3	5.1
NNE	.1	1.2	.8	.4								2.9	6.2
NE	.1	.4	1.1	.2								2.7	6.9
ENE	.1	1.1	.2	.4								2.9	6.8
E	1.1	2.3	1.1	.1								4.5	5.2
ESE	1.2	1.1	.8									4.0	4.1
SE	1.5	1.2	.2									2.7	3.9
SSE	.3	1.1	.8	.2								2.7	5.5
S	.2	1.2	2.2	.9								5.6	7.1
SSW	.3	1.3	2.8	1.1	.1							5.2	7.5
SW	.1	2.4	3.2	1.8	.1	.1						5.7	8.3
WSW	1.5	3.2	3.1	1.7	.1							9.7	6.3
W	1.3	3.2	3.8	1.3								10.9	7.4
WNW	1.2	2.1	1.9	.2	.2							5.5	5.9
NW	.1	2.2	1.9	.6								4.9	6.3
NNW	.4	2.2	1.5	.4								5.6	6.3
VARBL			.9	.2								1.1	2.2
CALM												15.2	
TOTAL	16.8	30.3	26.5	9.0	.5	.1						110.2	5.4

TOTAL NUMBER OF OBSERVATIONS 93

U.S. AIR FORCE CLIMATOLOGY BRANCH
 AFMTC
 3000 KATHLEEN SERVICE/NAO

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

STATION WILLOWHALL RAF UK YEARS 76-87 MONTHS ALL
 CLASS ALL WEATHER
 CONDITION
 HOURS (L.S.T.) 0000-2400

SPEED KNTS: DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	2.2	2.6	1.1								5.7	7.2
NNE	1.2	1.6	1.2	.2								4.7	6.8
NE	.2	1.4	1.4	.5								3.8	7.3
ENE	.2	.9	.5	.5								2.7	6.7
E	1.2	1.4	2.8	.4	.1							6.6	6.8
ESE	1.4	1.2	.6	.4								3.2	6.2
SE	.2	1.5	.4									2.5	4.9
SSE	.2	.3	.5	.4								1.7	6.7
S	.2	1.3	1.4	.6								4.4	6.3
SSW	.2	.9	2.1	1.3	.4							5.4	8.2
SW	.2	.2	1.7	2.8	.7	.2						6.7	10.4
WSW	1.2	1.4	2.7	3.7	.9							9.2	9.6
W	1.2	2.2	3.4	2.7	.3							10.1	8.1
WNW	.2	2.2	2.7	1.8								7.7	7.8
NW	.2	1.3	1.2	1.1								4.5	7.2
NNW	.2	2.3	2.5	1.7								6.7	6.9
VARBL			5.8	7.1								8.9	9.9
CALM												5.2	
	12.4	25.3	33.7	21.1	2.0	.2						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 930

CLIMATE CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 15771 MILDENHALL RAF UK STATION NAME 74-63 YEARS AUG 1980-1981
 ALL WEATHER CLASS 1200-1400 HOURS (L.S.T.)
 CONDITION

SPEED KNTS/ DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	2.3	3.7	1.3								7.7	7.4
NNE	.2	1.5	2.0	.4								3.3	7.7
NE	.5	1.7	1.3	.6								3.4	7.7
ENE	.1	.0	1.2	.4								2.3	6.7
E	.1	1.8	1.3	.9	.1							4.7	7.9
ESE	.2	2.1	.2	.5								4.2	6.1
SE	1.2	1.5	.1	.1								2.9	4.4
SSE	.2	.4	.6	.1								1.7	6.2
S	.6	1.1	1.3	.4	.1							3.4	7.1
SSW	.6	.7	1.6	2.2	.3							5.6	9.8
SW	.1	1.4	2.2	2.6		.3						6.8	10.2
WSW	.2	1.4	1.3	2.7	.9							7.3	10.7
W	1.4	2.4	4.3	4.1	.1							12.6	8.7
WNW	.3	1.2	2.7	1.1								5.9	8.7
NW	.7	1.1	1.9	.3	.1							4.3	7.1
NNW	.1	1.4	2.2	.3								4.2	7.3
VARBL	.7	.5	1.3	4.4	.5							16.1	10.7
CALM												3.7	
	10.7	21.6	32.7	22.8	2.7	.3						100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 937

U.S. AIR FORCE
CLIMATE BRANCH
WAFETAC
WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 5771 WILDENHALL DAF K STATION NAME YEARS 74-82 MONTHS ALL
CLASS ALL WEATHER HOURS 1800-1700
CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	2.5	5.2	.8								8.8	7.6
NNE	.2	1.1	2.5	.5								5.3	8.1
NE	.1	.1	1.9	.6	.1							3.9	8.3
ENE	.1	1.5	1.7	.6								4.3	7.3
E	.1	1.1	2.3	.8								5.2	7.6
ESE	.1	1.1	1.1	.8								3.0	7.4
SE	.1	1.1	1.9	.7								3.4	7.6
SSE	.1	.3	1.5	.1	.2							2.8	8.1
S	.1	1.1	1.7	.5								3.5	7.6
SSW	.1	.5	1.1	2.6	.3							5.2	9.7
SW	.1	1.1	2.4	3.4	.4	.2						8.3	10.6
WSW	.1	.3	1.7	2.9	.6							5.7	11.5
W	1.1	2.1	4.1	3.7	.9							12.3	9.4
WNW	.1	1.9	3.3	1.3	.1							7.2	8.1
NW	.1	1.4	1.9	.7								4.5	6.4
NNW	.1	1.6	1.9	.4								4.4	6.6
VARBL	.3	.3	6.7	3.2	.1	.1						16.2	10.2
CALM												3.5	
	7.1	21.3	42.1	22.9	2.8	.3						100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 932

NOPTAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

5-71
 STATION

WILDEHALL RAF MK
 STATION NAME

74-83
 YEARS

AUG
 MONTH

ALL WEATHER
 CLASS

1800-2000
 HOURS (L.S.T.)

CONDITION

SPEED (KNTS, DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	2.3	2.5	.6	.1							3.3	5.8
NNE	1.1	1.3	2.3									5.1	5.5
NE	.2	1.3	2.4	.3	.1							6.7	5.5
ENE	1.4	1.4	1.0	.2								4.9	5.3
E	1.2	2.3	3.2	.7								7.5	6.3
ESE	.1	2.3	2.3	.3								5.3	6.4
SE	.2	2.1	2.2	.2								5.3	6.3
SSE	.3	1.3	1.5	.7	.1							4.3	6.6
S	1.2	1.2	2.4	.1								3.2	5.6
SSW	.6	1.5	1.5	.8								4.2	7.3
SW	.4	2.5	2.4	2.5	.1							3.1	6.7
WSW	.4	2.1	2.5	.8	.2							6.2	7.4
W	.1	2.3	4.8	1.1	.1							3.9	7.6
WNW	.3	.3	.9	1.7								2.7	4.1
NW	.8	1.6	.6	.6								3.7	6.4
NNW	.3	1.6	.5									1.2	4.3
VARBL			.4	.6								1.1	11.2
CALM												6.5	
	15.2	32.3	33.8	9.6	.8							170.3	6.1

TOTAL NUMBER OF OBSERVATIONS 930

JOINT CLIMATELOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1071 MILDENHALL RAF UK STATION NAME YEARS 74-83 MONTH AUG
CLASS ALL WEATHER 100-2300 HOURS (L.S.T.)
CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	2.2	.2									5.4	4.1
NNE	.3	2.3	.4									3.7	4.3
NE	1.1	2.4	1.0									5.1	4.8
ENE	1.1	1.2	.1	.7								3.3	5.1
E	2.5	3.1	1.2									6.8	4.3
ESE	.3	3.1	.4	.1								6.2	4.2
SE	3.2	4.7	.8	.1								9.2	4.3
SSE	.3	1.4	1.1	.2								3.7	5.7
S	1.3	2.4	1.1	.4								5.6	5.3
SSW	1.2	1.1	2.5	.3								6.3	6.7
SW	.3	4.2	2.2	1.4								9.2	7.2
WSW		1.4	2.5	.4								4.4	7.7
W	.3	2.3	1.5	1.1								5.6	6.8
WNW	.3	1.1	.4	.4								3.0	6.1
NW	.1	1.6	.6	.1								2.7	6.3
NNW	1.3	1.5	.1									2.9	3.7
VARBL			.1	.1								.3	11.3
CALM												16.0	
	22.0	27.6	18.0	5.5								100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 237

JOINT CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1071 HILDEHALL RAF UK STATION NAME 74-23 YEARS
ALL WEATHER CLAS ALL MOVED (L.S.V.)
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.4	2.1	.5	.7							5.4	6.1
NNE	.3	1.3	1.2	.2								2.4	5.9
NE	.2	1.4	1.3	.3	.1							3.2	6.4
ENE	.1	1.1	.9	.6								3.3	6.3
E	1.2	2.2	1.5	.3	.7							5.2	6.3
ESE	1.3	1.3	.9	.3								4.2	5.2
SE	1.2	2.1	.9	.1								4.2	4.3
SSE	.3	1.1	.8	.2	.7							2.9	6.1
S	1.2	1.3	1.6	.4	.7							5.3	6.2
SSW	.2	1.7	2.1	1.3	.2							5.9	7.3
SW	.3	2.1	2.3	2.1	.1	.1						8.7	8.3
WSW	.4	1.8	2.3	1.2	.3							6.3	6.4
W	1.2	2.4	1.3	1.3	.2							8.2	7.7
WNW	.1	1.5	1.6	.8	.1							4.3	7.3
NW	.2	1.4	1.2	.8	.1							4.2	6.3
NNW	.7	1.3	1.3	.3								4.1	6.7
VARBL	.1	.1	3.1	1.4	.1	.7						4.7	10.1
CALM												13.5	
	15.5	28.7	28.7	12.4	1.1	.1						102.0	6.5

TOTAL NUMBER OF OBSERVATIONS 7433

U.S. AIR FORCE
 AIR FORCE CLIMATOLOGY BRANCH
 AFM 7-1
 WEATHER SERVICE /MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

STATION 71 ELLENHALL PAF K STATION NAME 71-83 YEARS 1971-1983
 CLASS ALL WEATHER
 CONDITION
 HOURS (L.S.T.) 376-0200

SPEED KNTS. DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.2	.4	.1								2.4	5.1
NNE	.5	.7	.3									1.5	5.6
NE	.6											.4	1.8
ENE	.4	.1										.9	3.3
E	.2	.3	.7	.3								2.5	5.7
ESE	1.1	1.1	1.1	.1								4.2	4.9
SE	.3	2.5	1.3									6.1	4.5
SSE	1.4	1.4	.9	.4	.6							4.2	8.5
S	.3	3.3	3.1	1.2								10.9	6.9
SSW	1.3	3.1	4.2	2.8	.3	.2	.1					12.6	8.5
SW	1.6	4.7	5.1	2.7	.4							14.3	7.8
WSW	1.1	2.1	2.1	2.4	.3	.1						9.4	8.8
W	.2	3.2	1.1	.6	.1							6.6	6.1
WNW		1.3	.3	.3	.1	.1						3.1	7.7
NW	.4	.9	1.8	.2								3.2	6.0
NNW	1.5	.3	.2									2.6	4.3
VARBL			.1	.1	.1							.7	13.3
CALM												15.3	
	17.2	28.2	23.2	11.3	2.4	.4	.1					100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

15771 MILDENHALL RAF UK 74-83 SLP
STATION STATION NAME YEARS MONTH
ALL WEATHER 0700-0500
CLASS HOURS (L.S.T.)
CONDITION

SPEED KNTS. DIR	3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥56	%	MEAN WIND SPEED
N	.4	1.2	.2									2.2	4.7
NNE	.2	.3		.7								.8	6.1
NE	.1	.1										.2	3.5
ENE	.4	.1	.2									.8	4.4
E	.7	1.1	.4									2.2	5.1
ESE	1.1	2.4	1.4									5.1	5.2
SE	1.2	2.4	.2									4.0	4.1
SSE	1.7	1.3	1.7	.9	.1							5.0	6.3
S	3.1	2.2	2.8	.9	.3	.1						10.0	6.9
SSW	2.3	3.7	3.4	3.1		.1						12.7	7.4
SW	2.2	4.1	5.1	2.2	.1	.2						13.9	7.3
WSW	1.0	3.7	2.4	2.4	.9	.4						10.9	9.1
W	1.0	3.4	2.4	.1	.1							7.2	6.1
WNW	.1	.7	.4	.3								1.8	6.6
NW	.1	.4	1.1	.1	.1	.2						2.3	9.1
NNW	.4	.3	1.4		.1							2.8	7.2
VARBL				.7		.1						.4	16.3
CALM												17.9	
	16.3	29.1	22.7	10.6	1.8	1.2						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 970

U.S. AIR FORCE
CLIMATE BRANCH
AFSTAC
WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 74-23 MILDENHALL PAS. AK STATION NAME 74-23 YEARS 1955-1956
CLASS ALL WEATHER MONTH 1955-1956
CONDITION

SPEED KNTS: DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	1.1	.4	.2								.1	4.6
NNE	.4	.3	.2	.1								1.3	4.6
NE	.4	.1										.3	3.7
ENE	.1	.2	.4									.4	6.1
E	.4	1.1	.2									1.9	4.6
ESE	.3	1.3	1.1	.4								3.7	6.1
SE	1.1	2.3	.6	.4	.1							5.9	5.3
SSE	.3	1.9	2.1	.4								5.1	6.6
S	1.2	2.9	3.9	2.3	.2	.1						11.0	6.7
SSW	1.4	3.1	4.6	2.3	.2							12.3	7.6
SW	1.4	4.4	4.3	3.2	.2	.2						13.2	8.3
WSW	.9	3.7	3.1	2.6	.6	.2						10.8	6.6
W	.1	2.4	3.3	1.8	.7	.1						9.3	8.4
WNW	.3	.3	1.3	.3	.3							1.4	7.9
NW	.4	.3	1.2	.2	.3							2.9	8.3
NNW	.1	1.4	1.1	.1								2.7	6.6
VARBL			.2	.2	.2							.7	12.7
CALM												11.6	
	12.7	29.1	48.7	14.8	2.9	.7						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 699

JOINT CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 5871 HILDENHALL RAF UK STATION NAME 74-83 YEARS SEP NORTH
ALL WEATHER CLASS 990-1100 HOURS (L.S.T.)
CONDITION

SPEED KNTS/ DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.3	1.2	.6								4.1	7.6
NNE	.4	.9	.2	.2								2.2	6.2
NE	.1	.2										.8	3.2
ENE	.1	.2	.3									.7	5.0
E	.4	.2	1.2	.1								2.7	6.6
ESE	.4	1.1	1.1	.3								3.1	6.4
SE	.1	.2	1.2	.3								2.6	7.3
SSE	.3	1.1	1.4	1.4	.2							4.6	9.4
S	.2	1.4	3.1	3.1	.8	.1						9.1	10.2
SSW	.3	1.8	4.1	5.7	.3							11.9	9.9
SW	.4	1.1	4.6	3.4	.7	.1	.1					10.9	11.0
WSW	.4	1.2	5.3	4.7	1.7	.2						14.2	11.1
W	.1	1.2	3.6	3.3	1.9	.4	.1					11.8	11.3
WNW	.2	1.2	2.3	1.7	.2							6.2	9.1
NW	.4	.1	2.0	.9	.3	.1						4.7	8.9
NNW	.1	.1	1.1	.4								3.3	7.7
VARBL			3.1	.7	.2							3.9	1.0
CALM												3.4	
	7.1	18.1	37.3	26.2	6.2	1.1	.2					100.1	9.3

TOTAL NUMBER OF OBSERVATIONS 320

U.S. AIR FORCE
 CLIMATE BRANCH
 AFMTC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 5071 WILBENHALL RAF K YEARS 74-83 MONTH SEP
 STATION NAME CLASS ALL WEATHER HOURS (L.S.T.) 1200-1400
 CONDITION

SPEED KNTS. DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.3	1.4	1.5								4.7	7.6
NNE	.0	.4	.8	.3								1.7	6.3
NE	.0	.4	.3									1.1	5.5
ENE	.0	.4	.1									.6	6.7
E	.0	.3	.9	.2								1.8	7.3
ESE	.0	.4	.9	.6								1.8	8.8
SE	.0	.9	1.7	.6	.1							2.1	7.8
SSE	.0	.7	1.1	.4	.3							2.3	10.1
S	.0	.6	3.1	2.2	.4	.6						7.2	11.3
SSW	.0	1.3	3.9	5.1	.3	.8						11.6	11.3
SW	.0	1.7	3.4	5.9	.6	.4		.1				12.6	11.5
WSW	.0	1.9	3.9	4.3	1.3	.4						11.9	11.4
W	1.2	2.1	4.3	5.1	1.7	.4						14.9	12.8
WNW	.2	1.7	1.6	2.7	.6	.3						7.3	12.4
NW	.1	1.2	2.1	.7	.2							4.3	8.5
NNW	.1	.4	.8	.3								1.7	7.9
VARBL			5.2	1.9	.1	.1						8.3	9.8
CALM												3.3	
	2.4	15.8	35.8	31.2	5.7	2.7		.1				100.7	9.9

TOTAL NUMBER OF OBSERVATIONS 900

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 5771 MILDENHALL RAF UK YEARS 74-83
STATION NAME YEARS
ALL WEATHER CLASS
CONDITION
S.D. MONTHS 1500-1700
HOURS (L.S.T.)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.1	2.9	1.2								6.2	7.7
NNE	.1	.0	.3	.2								1.6	6.3
NE	.0	.2	.4									1.7	4.9
ENE	.2	.6	.6									1.3	5.3
E	.5	.8	1.3									2.7	6.3
ESE	.3	.9	1.6	.6								3.2	7.6
SE	.1	1.3	1.7	.1	.1							2.7	7.1
SSE	.3	1.3	2.6	.9	.1							5.3	8.1
S	1.1	1.3	3.1	.9	.8	.1						7.2	8.7
SSW	.3	1.2	3.6	3.6	.7	.2	.1					9.7	11.1
SW	.4	2.2	3.1	4.3	.4	.6						11.4	10.9
WSW	.4	1.7	3.8	4.2	1.0	.1						11.4	10.6
W	.7	4.2	5.2	5.7	1.2	.9						17.2	9.9
WNW	.5	.7	3.1	3.6	.2	.1						8.1	10.2
NW	.4	.7	1.2	.4								1.0	7.1
NNW	.3	1.0	.6	.2								2.1	6.4
VARBL			1.4	.9	.1							2.4	10.4
CALM												2.9	
	.7	1.1	35.7	26.1	8.7	1.6	.1					100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 220

U.S. NAVAL CLIMATOLOGY BRANCH
 AFETAC
 WEATHER SERVICE/AFAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 71 MILDENHALL RAF, UK STATION NAME 71-93 YEARS 1960-1969
 CLASS ALL WEATHER HOURS (L.S.T.)
 CONDITION

SPEED KNTS. DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	2.2	.2	.4								4.7	5.9
NNE	.4	1.1	.3									1.2	5.7
N-E	.3	.6	.1									1.2	3.9
ENE	1.3	.7	.4									2.4	4.7
E	1.1	2.1	.7	.1								3.9	5.1
ESE	.3	1.9	.9	.2								3.7	5.6
SE	.2	1.4	1.1	.3								6.9	5.4
SSE	1.1	3.3	1.3	.4	.1							6.6	5.9
S	1.7	3.4	3.3	.7	.2	.1						9.7	6.7
SSW	1.1	2.4	3.1	1.7	.1	.1	.1					2.8	8.8
SW	.2	2.4	3.1	2.7	.4	.6	.1					10.1	9.9
WSW	.4	2.7	2.9	2.1	.6							6.4	8.2
W	1.4	3.9	3.4	1.7	.2							10.2	6.7
WNW	.3	.4	1.9	.9	.4	.1						4.6	2.7
NW	.6	1.3	1.7	.2	.1							3.1	6.6
NNW	.4	1.1	.4	.3								2.6	5.6
VARBL			.1	.4	.1							.7	14.5
CALM												9.8	
	15.1	33.4	25.1	12.9	2.2	.9	.2					100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 970

NAVAL CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1171 WILSONHALL RAF UK STATION NAME 71-81 YEARS SEP
ALL WEATHER CLASS 1100-2200
 CONDITION HOURS (L.S.T.)

SPEED KNTS: DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	1.6	.3									2.3	4.3
NNE	.0	.6	.2									1.2	4.3
NE	.0	.2	.7	.1								1.0	5.6
ENE	.0	.1	.1									.2	5.9
E	1.4	.7	.4									2.5	4.4
ESE	1.0	2.8	.9	.2								5.6	4.8
SE	1.7	3.3	1.1	.2								6.3	5.2
SSE	1.6	3.7	1.7	.9								6.6	5.8
S	2.7	3.7	3.4	1.1	.7	.1						11.7	7.1
SSW	1.2	2.2	3.8	2.9	.1							12.2	8.7
SW	1.4	2.1	3.1	3.7	.6	.1	.2					12.8	9.1
WSW	1.2	2.1	2.3	2.3	.3	.3						9.8	8.9
W	.7	3.1	1.9	.6								6.2	6.6
WNW	.4	1.6	1.4	.4	.2							4.1	7.4
NW	.2	.7	.6	.7								2.4	7.3
NNW	.4	.9	.8	.1								2.3	5.5
VARBL													
CALM												15.3	
	17.4	37.7	22.4	13.8	1.9	.6	.2					100.0	

TOTAL NUMBER OF OBSERVATIONS 900

U.S. NAVAL CLIMATOLOGY BRANCH
 WETAC
 WEATHER SERVICE/MAL

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 171 ILOENHALL RAF OK STATION NAME 71-63 YEARS SEP
 CLASS ALL WEATHER MONTH SEP
 CONDITION ALL HOURS (L.S.T.)

SPEED KNTS DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	.6	1.4	1.1	.4								3.5	6.6
NNE	.6	.6	.4	.1								1.7	5.8
NE	.6	.3	.2	.1								.9	4.5
ENE	.6	.1	.3									1.0	4.7
E	.4	1.1	.1	.1								2.6	5.6
ESE	.6	1.4	1.1	.3								3.3	5.6
SE	1.2	2.3	.9	.7	.1							4.7	5.5
SSE	1.1	1.4	1.4	.4	.4							5.7	7.1
S	1.8	2.4	3.2	1.6	.4	.7						9.6	7.8
SSW	1.2	2.4	3.8	3.6	.3	.1	.1					11.6	7.1
SW	1.2	2.4	4.1	3.4	.4	.7	.1	.7				12.2	9.3
WSW	.3	2.1	3.3	7.1	.9	.3						10.9	9.3
W	1.0	3.1	3.2	2.2	.7	.7	.1					11.4	8.8
WNW	.4	1.2	1.6	1.3	.7	.1						4.8	9.1
NW	.4	.3	1.3	.4	.1	.7						3.3	7.8
NNW	.7	.4	1.1	.2	.7							2.5	6.5
VARBL			1.4	.6	.1	.1						2.1	10.5
CALM												9.7	
	12.1	25.7	28.8	18.3	3.5	1.2	.1	.7				10.7	7.6

TOTAL NUMBER OF OBSERVATIONS 7109

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR STATION SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 1171 MILDENHALL RAF UK STATION NAME 71-83 YEARS 067 MONTH 000-1200
CLASS ALL WEATHER NOISE (L.S.V.)
CONDITION

SPEED KNTS. DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.9	.5	.3								2.3	6.3
NNE	.3	1.1	.2									1.5	4.8
NE	.4	.9	.5									2.1	5.4
ENE	.8	1.1	.4									1.3	5.3
E	1.5	1.1	.5									3.1	4.3
ESE	.9	.1	1.3									5.2	5.1
SE	1.2	3.4	1.4	.1								6.3	5.1
SSE	1.4	3.1	1.1	.3								5.5	5.3
S	1.7	2.3	3.7	1.6	.1							9.9	7.3
SSW	1.9	2.1	2.5	1.4	.3							6.3	7.2
SW	.3	4.1	4.1	2.7	.5							11.7	8.4
WSW	.2	1.7	3.1	2.4	.3	.3						8.4	9.4
W	1.1	1.7	1.8	1.5	.3	.1						6.4	8.3
WNW	.4	1.3	.5	1.1	.2							3.5	4.5
NW	.1	.4	1.4	.9	.2							3.1	9.2
NNW	.3	.1	1.8	.9	.1							4.0	8.5
VARBL			.7	.3	.1							.6	13.5
CALM												14.7	
	13.9	3.9	25.6	12.9	2.7	.3						100.3	6.2

TOTAL NUMBER OF OBSERVATIONS 970

AL CLIMATOLOGY BRANCH
AFETAC
WEATHER SERVICE/MAL

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 171 WILDERHALL SAE MK STATION NAME 74-87 YEARS OCT NORTH
ALL WEATHER CLASS 0700-0500 HOURS (L.S.T.)
CONDITION

SPEED KNTS, DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.3	1.7	.1	.3							2.7	7.5
NNE	.2	1.5	.3									2.7	4.3
NE		.3	.7	.1								1.3	7.1
ENE	.3	.5	.4	.3								1.6	6.5
E	1.1	.1	.2									2.6	3.6
ESE	1.3	2.3	1.6	.1								6.1	5.3
SE	1.2	2.3	1.2	.6								5.9	5.6
SSE	1.4	2.3	2.7	.2								6.1	5.7
S	1.4	3.0	3.1	1.3	.1							9.6	7.2
SSW	1.1	2.1	2.3	1.7	.2							7.9	7.9
SW	1.3	4.1	2.7	2.3								10.5	7.4
WSW	.1	2.1	3.9	2.5	.1							9.3	8.5
W	.1	1.4	2.4	2.4	.4	.7						7.9	9.4
WNW	.1	1.1	.9	.5	.3							3.2	6.3
NW	.1	1.1	1.3	.2	.2							2.2	7.5
NNW	.3	1.1	.9	.8	.2							3.3	6.1
VARBL			.1	.1	.1							.3	13.6
CALM												10.5	
	14.5	27.9	25.5	13.3	2.2	.7						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 929

U.S. AIR FORCE
 WEATHER SERVICE
 WILLOW RIVER, ALASKA

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

STATION 5771 WILLOW RIVER, AK YEAR 1961 MONTH OCT
 CLASS ALL WEATHER HOURS (L.S.T.) 1670-1800
 CONDITION

SPEED (KTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.4	1.5	.5	.3	.3							3.3	6.7
NNE	.1	.5	.5									1.2	6.2
NE	.9	.1	.4									1.4	4.3
ENE	.3	.7	.3	.1	.1	.1						1.7	7.8
E	1.3	1.1	.5	.1								2.9	4.8
ESE	1.4	2.6	1.2	.6								6.2	5.7
SE	.3	2.7	1.2	.1								4.5	5.7
SSE	1.3	2.4	1.9	.9	.1							7.1	6.3
S	2.2	4.1	3.3	1.7	.4	.1						11.7	7.1
SSW	1.7	1.9	2.3	1.9	.5							8.3	8.3
SW	1.1	2.1	3.3	3.1	.2							9.9	8.7
WSW	1.4	2.3	3.7	1.6								9.4	7.5
W	1.4	2.7	3.7	2.3	.5							9.9	8.2
WNW	.1	1.1	.4	.6	.3							2.8	8.9
NW	.1	.6	1.7	.4	.1							3.7	9.7
NNW	.5	1.1	.7	.4		.1						2.9	7.0
VARBL			.1	.1	.2							.9	14.8
CALM												13.2	
	16.2	27.4	25.8	18.4	2.9	.7						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 930

U.S. AIR FORCE
CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 157 MILSENHALL RAF UK STATION NAME 74-82 YEARS 1951
 ALL WEATHER CLASS 1950-1951
 CONDITION MOVES (L.S.T.)

SPEED KNTS. DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.2	2.6	.6	.1							5.3	7.6
NNE		.3	.7	.4								1.1	9.5
NE	.2	.3	.9	.2								1.6	7.7
ENE	.1	.4	.3	.1	.1							1.6	7.9
E	.3	.5	.2	.2								1.8	6.8
ESE	.1	1.3	1.9	.5	.1							4.4	7.6
SE	.3	1.6	3.1	1.2	.1							6.3	8.2
SSE	.2	1.2	2.9	1.2	.1							6.1	8.4
S	.4	2.7	3.8	3.4	.2	.1						10.9	9.2
SSW	.4	1.3	2.1	2.3	.3							7.4	9.8
SW	.8	.9	3.9	4.7	1.3	.4						11.2	11.8
WSW	.7	1.1	4.7	2.3	1.1	.7						9.1	10.8
W	1.3	1.7	3.3	2.9	.8	.1						10.1	9.6
WNW	.4	.6	.9	2.5	.2	.2						4.7	11.2
NW	.4	1.3	1.5	1.8	.2	.1						5.5	9.4
NNW	.1	1.4	1.6	1.5	.2	.1						5.1	9.3
VARBL			.5	1.7	.2							1.7	12.5
CALM												6.7	
	7.4	19.5	35.1	26.2	5.8	1.3						100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 930

CLIMATE CLIMATOLOGY BRANCH
AFCTAC
AF WEATHER SERVICE/AFAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WILDEHALL RAF UK STATION NAME 74-83 YEARS 1972
 ALL WEATHER CLAS 1272-1472 MONTHS (L.S.T.)
 CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.2	2.3	1.6								5.8	8.5
NNE		.1	1.2	.5								1.9	9.6
NE		.2	.4	.1	.2							1.1	1.3
ENE		.3	.8	.3								1.2	8.7
E	.1	1.1	1.6	.2								3.7	7.4
ESE	.1	.6	1.6	1.0	.1							3.7	9.2
SE	.1	1.5	1.6	1.7	.1							5.4	8.9
SSE	.1	1.3	2.7	2.2								6.6	9.7
S	.1	2.7	3.9	2.7	.2	.1						10.2	9.9
SSW	.1	1.2	3.1	1.9	.9	.4						7.6	10.8
SW	.3	.8	2.2	5.4	.9	.2						10.1	11.7
WSW	.2	1.2	2.8	3.1	1.7	1.1						9.6	12.3
W	.2	1.2	1.9	3.8	1.3	.3						9.7	11.0
WNW	.2	1.1	1.7	2.8	.8	.1						7.1	10.9
NW	.1	1.1	1.4	2.3	.5							5.8	10.2
NNW	.2	1.9	1.3	2.3	.3	.2						5.3	9.6
VARBL			1.5	1.5	.3							3.3	11.9
CALM												2.5	
	.3	17.7	31.6	32.8	6.7	2.4						100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 930

U.S. AIR FORCE
 CLIMATE BRANCH
 METEOROLOGICAL SERVICE/AFAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

STATION WILSONHALL RAF YEARS 74-82 MONTHS 01
 CLASS ALL WEATHER
 HOURS (L.S.T.) 1800-1700
 CONDITION

SPEED (KNTS, DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.6	2.5	1.5	.2							8.3	7.4
NNE	1.0	.3	.9	.2								2.9	5.1
NE	.1	.2	.5									.2	6.1
ENE	.3	.4	.9	.2								1.3	6.4
E	.2	1.2	1.1	.2								3.3	5.7
ESE	.5	1.4	1.2	.9								3.7	6.8
SE	.9	1.7	2.6	1.2								5.3	7.7
SSE	.9	2.3	2.4	1.1	.2							6.7	7.2
S	1.1	4.2	3.9	2.9	.1	.2						11.6	7.8
SSW	.4	1.5	2.8	2.4	.1							7.7	8.8
SW	.1	1.6	2.1	3.1	.3	.1						7.5	10.9
WSW	.4	1.7	2.9	2.6	1.7	.1						8.3	10.2
W	.2	2.9	3.4	2.7	.8	.1						9.5	9.5
WNW	.1	.7	2.2	1.9	.3	.2						6.2	10.1
NW	.4	1.2	1.6	1.1	.2							4.9	9.6
NNW	.4	1.2	1.2	.9	.1							4.0	7.7
VARBL			.7	1.3	.9							2.2	14.4
CALM												5.7	
	1.5	25.2	41.2	22.7	3.9	.8						100.7	8.0

TOTAL NUMBER OF OBSERVATIONS 930

CENTRAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 15071 MILDENHALL RAF UK STATION NAME 74-63 YEARS OCT MONTH 1900-2000 HOUR (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.3	1.3	.7								4.4	5.8
NNE	.4	.7	.2									1.4	4.3
NE	.7	1.1	.1									1.6	5.1
ENE	.4	1.2	.1									1.7	4.6
E	1.1	1.5	.9									3.5	4.2
ESE	1.3	2.1	1.6	.3								6.7	5.6
SE	.2	2.8	1.9	.4	.2	.1						6.3	6.5
SSE	1.5	3.1	1.4	.8								6.8	6.0
S	1.7	4.7	4.1	1.8	.1							12.3	7.7
SSW	1.2	1.1	1.9	2.7	.2	.2						7.9	9.5
SW	1.1	2.1	2.8	2.7		.4						9.7	8.4
WSW	.6	1.6	2.1	3.1	.2							7.6	9.5
W	1.3	2.8	3.7	1.1	.2							8.6	6.9
WNW	.5	.9	1.1	1.6								4.2	8.4
NW	.2	1.1	1.3	.5								3.4	7.1
NNW	.2	.9	1.2	1.7								3.5	7.4
VARBL			.7	.3	.2							.8	13.1
CALM												11.5	
	15.2	31.6	28.9	15.9	1.2	.6						111.7	6.9

TOTAL NUMBER OF OBSERVATIONS 930

U.S. AIR FORCE CLIMATE BRANCH
AFSTAC
AIR WEATHER SERVICE /MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1071 MILDENHALL RAF UK STATION NAME 74-83 YEARS 1967
 CLASS ALL WEATHER MONTHS 1120-2300
 CONDITION NOVBS (L.S.T.)

SPEED KNTS. DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.2	.2									1.2	5.3
NNE	.3	1.1	.3									1.7	5.3
NE	.3	.1	.4									1.8	5.3
ENE	.4	.7	.3	.7								1.7	5.4
E	.2	1.4	.7									2.5	4.9
ESE	1.3	2.7	1.2									5.4	4.9
SE	1.4	2.1	1.4	.3	.1							5.6	5.3
SSE	.3	2.3	1.3	.4	.4							5.2	7.3
S	2.4	4.9	3.0	2.0								16.3	6.3
SSW	1.3	2.5	3.2	1.8	.1							9.1	7.3
SW	.3	4.2	3.7	1.8	.8	.7	.1					11.3	6.3
WSW	.4	1.6	3.2	3.7	.3	.7						8.8	9.9
W	.6	1.7	1.3	2.7	.7	.1						5.6	9.2
WNW	.3	1.2	1.6	.3	.1							3.5	7.3
NW	.4	.6	1.3	1.4								3.8	8.7
NNW	.3	1.2	1.6	.9								4.3	7.8
VARBL			.2	.3	.2							.3	15.3
CALM												14.7	
	12.3	32.1	24.7	14.6	1.8	.5	.1					100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 970

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

15071 MILDENHALL RAF UK 74-83 OCT
STATION MONTH
ALL WEATHERED ALL
CLAS NOBS (L.S.V.)
CONDITION

SPEED KNTS. DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.5	1.4	.6	.7							4.2	7.1
NNE	.7	.7	.5	.2								1.7	6.2
NE	.5	.6	.5	.1	.7							1.4	6.3
ENE	.5	.9	.5	.1	.7	.7						1.7	6.4
E	1.7	1.1	.7	.1								2.8	5.7
ESE	1.7	2.2	1.5	.4	.7							5.1	6.1
SE	1.1	2.2	1.8	.7	.1	.7						5.8	6.7
SSE	1.1	2.3	2.1	.9	.1							6.4	6.9
S	1.5	3.7	3.5	2.1	.2	.1						11.1	7.6
SSW	1.1	1.3	2.6	2.7	.4	.1						7.9	8.7
SW	.7	2.5	3.1	3.7	.5	.2	.7					10.1	9.3
WSW	.7	1.7	3.1	2.6	.5	.7						8.8	9.8
W	1.1	1.3	2.5	2.2	.6	.1						8.4	9.7
WNW	.5	1.7	1.2	1.4	.3	.1						4.4	9.5
NW	.4	.7	1.4	1.1	.7	.7						4.7	8.8
NNW	.4	1.2	1.3	1.1	.1	.1						4.1	6.4
VARBL			.4	.6	.2							1.3	13.1
CALM												10.6	
	12.2	25.9	28.1	19.1	3.3	.8	.7					100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 7439

U.S. AIR FORCE
 CLIMATE DIVISION
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

STATION 10071 MILLENHALL RAF 74-83 NAV
 STATION NAME YEARS MONTHS
ALL WEATHER
 CLASS
0000-0200
 HOURS (L.S.T.)
 CONDITION

SPEED KNTS. DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.1	.3	.2	.1							2.4	5.8
NNE	.1	.6	.3									1.2	5.1
NE	.1	.7	.1									.9	5.1
ENE	.1	.2	1.1	.3								2.2	7.1
E	1.1	.3	.4	.2		.1						2.1	6.9
ESE	.0	.2	.3	.1								1.7	5.3
SE	.2	1.3	.9	1.2								4.2	7.8
SSE	.4	2.1	1.2	.2	.1							4.1	6.6
S	.7	3.4	4.7	2.1	.4							9.7	8.9
SSW	.5	3.4	3.6	4.7	.9							12.7	9.4
SW	.7	3.4	4.4	6.1	1.9	.5	.1					17.1	11.0
WSW	.4	1.9	4.2	3.7	.9	.2	.1					11.8	10.2
W	.9	2.4	2.9	1.1	.6	.3						8.1	8.8
WNW	1.1	.9	1.6	.8								4.3	6.8
NW	.1	.7	.8	1.0	.2							2.9	9.4
NNW	1.1	.7	.3	.7	.2							2.9	7.6
VARBL				.1	.1							.2	15.5
CALM												1.3	
	20.1	23.7	46.3	21.7	5.4	1.2	.2					100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 900

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1977 WILDEHALL RAE UK

74-83

NOV

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER
CLASS

0700-0900
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.3	.8	.1								2.8	5.8
NNE	.7	.2	.3	.3								1.0	8.9
NE	.3	1.0										1.3	4.7
ENE	.4	.1	.9	.1								1.3	7.3
E	1.1	1.2	.1	.1	.1	.2						2.3	6.4
ESE	.2	1.1	.3	.4								2.3	6.2
SE	1.1	.2	.7	.6								3.0	6.2
SSE	.7	2.4	1.4	.3	.2	.1						4.8	6.9
S	1.7	2.3	3.9	1.6	.8							10.9	7.8
SSW	1.6	2.2	2.8	4.7	.4	.2						11.9	10.3
SW	.4	2.1	4.7	5.6	1.4	.3						14.6	11.3
WSW	.7	2.3	3.2	3.4	1.2	.3						11.2	10.6
W	1.1	1.1	2.2	2.4	.7	.6						9.1	10.0
WNW		1.1	.9	.4	.1	.1						2.7	8.9
NW	.4	1.1	.7	1.3								3.6	8.5
NNW	.7	1.1	.9	1.7	.2							3.9	8.2
VARBL			.3		.1							.5	11.7
CALM												12.3	
	11.3	23.8	23.6	22.8	5.3	1.9						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS

900

U.S. AIR FORCE
 AIR FORCE CLIMATOLOGY BRANCH
 AFMTCAC
 AIR WEATHER SERVICE/MAO

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

STATION 171 ILLDENHALL RAF K STATION NAME 70-83 YEARS NOV MONTH 1677-7600 HOURS (L.S.T.)
 ALL WEATHER CLASS
 CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	1.2	.2									2.7	4.4
NNE	.0	.2	.7									.7	5.1
NE	.0	1.4	.1	.1								2.3	4.7
ENE	.0	.4	.4	.7								1.4	7.6
E	.0	.4	.3	.1		.7						1.8	9.1
ESE	.0	1.2	1.1	.6								3.4	7.3
SE	.0	2.3	1.1	.3								4.7	5.8
SSE	.0	1.9	.7	.7								3.8	6.6
S	1.2	2.4	2.4	2.7	.3	.1						9.7	8.4
SSW	.0	1.9	4.4	4.7	1.4	.4						12.7	11.2
SW	.0	1.3	5.1	4.6	.6	.3						13.9	10.2
WSW	.0	2.7	3.1	3.6	.8	.1						17.9	9.6
W	.0	1.7	2.6	2.9	1.2	.4						9.7	10.7
WNW	.0	.7	1.7	.9	.1							3.7	7.8
NW	.0	.7	.8	1.3	.1							2.3	9.3
NNW	.0	1.4	1.7	1.2								4.7	8.1
VARBL			.3	.6	.7							1.1	13.0
CALM												10.2	
	1.4	23.7	26.3	23.8	4.9	1.9						100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 677

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 15771 HILDENHALL AFB TX STATION NAME 74-85 YEARS NOV MONTH 1959-1960 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.2	1.1	0.2	0.2								1.3	5.8
NNE	0.2	0.4	0.3	0.1								1.2	5.6
NE	0.1	1.1	0.7									1.9	5.8
ENE	0.2	0.4	0.6	0.4	0.4							2.1	6.3
E	0.3	0.2	1.1	0.3								2.6	7.1
ESE	0.1	0.3	1.0	0.3								2.7	7.4
SE	0.4	1.2	1.9	1.2	0.1							4.9	8.2
SSE	0.2	1.0	1.7	0.6								4.1	7.4
S	0.7	2.6	3.3	2.1	0.7	0.2						9.8	9.3
SSW	0.1	0.1	3.1	4.4	1.7	0.3						9.6	11.3
SW	1.2	0.2	2.4	7.3	1.6	0.3						14.2	11.3
WSW	0.4	1.9	3.1	5.1	1.2	0.4						11.3	11.4
W	1.1	1.4	2.3	2.4	1.4	0.3						9.4	11.6
WNW	0.4	0.3	1.4	2.0	0.3							4.7	11.6
NW	0.2	0.3	1.8	2.1	0.1							5.0	11.1
NNW	0.1	1.3	2.3	1.2	0.7							6.6	8.7
VARBL			0.7	0.3	0.2	0.1						1.5	12.1
CALM												6.7	
	7.3	16.8	28.6	30.9	7.8	2.7						100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 1000

1
NATIONAL CLIMATOLOGY BRANCH
USAFETAC
METEOROLOGICAL SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 171 WILDENHALL RAF GB STATION NAME 74-52 YEARS MONTH NORTH 1-10-147 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.2	.4	.6								1.1	6.5
NNE	.0	.2	.2									1.0	6.1
NE	.0	.2	.2									.1	5.7
ENE	.0	.2	.1	.7	.1	.7						3.1	9.7
E	.0	1.1	.9	.9								2.8	9.7
ESE	.0	.2	.8	.6								1.3	8.4
SE	.1	.7	1.1	1.2								3.1	9.9
SSE	.0	1.1	1.3	1.6	.1							4.2	9.8
S	.1	1.7	2.1	2.1	.4	.1						6.3	9.8
SSW	.0	.2	4.3	4.4	1.8	.5						10.3	12.6
SW	.0	1.1	2.9	5.6	1.1	.7						11.0	12.5
WSW	.0	.2	2.7	5.2	2.6	.9						12.2	13.5
W	.0	2.4	1.4	4.4	1.2	.4						11.2	11.1
WNW	.0	.3	1.1	2.2	1.7							5.2	11.0
NW	.0	1.2	2.1	2.4	.6							6.4	10.4
NNW	.0	1.1	1.3	2.6	.8							6.2	10.3
VARBL			.4	1.2	.3	.1						1.2	14.3
CALM												5.0	
	4.2	16.9	24.9	15.7	9.9	7.2						100.0	10.5

TOTAL NUMBER OF OBSERVATIONS 920

CENTRAL CLIMATOLOGY BRANCH
 AFMCTAC
 AIR WEATHER SERVICE/AMC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1071 WILSONHALL RAS 74-61 YEARS NOV
 STATION NAME ALL WEATHER MONTHS 1500-1700
 CLASS CLAS HOURS (L.S.V.)
 CONDITION

SPEED KNOTS	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
DIR													
N	0.2	1.2	1.2	0.3	0.1							3.5	7.7
NNE	0.2	0.2	0.2	0.1								2.4	5.5
NE	0.2	0.2	0.2	0.1								1.6	5.1
ENE	0.2	0.2	0.2	0.1								2.2	5.1
E	0.2	1.1	0.2	0.1								2.9	7.1
ESE	0.2	0.2	0.2	0.1								1.7	6.3
SE	0.2	1.2	0.2	1.2								3.3	6.2
SSE	0.2	1.4	1.6	1.1	0.3							5.1	8.3
S	0.2	1.2	2.7	2.3	0.1	0.2						9.1	8.4
SSW	0.2	1.4	3.1	3.8	0.4	0.2						10.1	10.5
SW	0.2	1.4	4.2	5.7	0.8	0.4						12.2	11.1
WSW	0.2	0.2	2.7	4.3	1.6	0.3						10.4	11.7
W	0.2	2.4	3.6	2.6	0.4	0.1	0.1					10.1	9.4
WNW	0.2	1.3	2.1	1.9	0.2	0.1						6.7	9.1
NW	0.2	1.7	1.9	1.6	0.3							6.2	8.5
NNW	0.2	1.1	1.2	0.9	0.2							4.2	8.3
VARBL			0.4	0.7	0.1							1.2	11.6
CALM												6.9	
	3.1	22.0	28.1	26.7	5.2	2.1	0.1					100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 970

U.S. AIR CLIMATOLOGY BRANCH
 AFMTC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

STATION 171 MILDENHALL PAS K STATION NAME 74-83 YEARS NOV
 MONTH
 ALL WEATHER
 CLAS
 CONDITIO

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	2.1	.6	.7	.3							3.7	7.1
NNE	.1	.7	.4	.2								1.3	6.3
NE		.4	.3									1.1	6.9
ENE		1.1	.9	.3								2.4	7.7
E	.1	.3	.4	.1	.2							2.0	7.0
ESE	.4	1.1	.2	.3								2.3	6.1
SE	.4	1.2	.3	.7								3.2	7.1
SSE	.2	1.9	1.6	.8	.2							5.3	7.3
S	1.1	4.1	2.6	2.7	.7							10.0	8.1
SSW	.4	1.3	4.1	4.1	.6	.2	.1					11.3	10.3
SW	.4	2.1	2.7	5.2	1.3	.7						12.4	11.8
WSW	.4	1.4	3.1	2.9	.2	.1						6.4	9.6
W	.2	2.8	3.1	3.3	1.2	.6						11.9	10.2
WNW	.3	1.1	2.7	1.2								5.1	7.9
NW	.3	1.3	1.4	.9	.3							4.7	7.6
NNW	.3	1.4	.8	.7	.3							4.1	7.3
VARBL			.3	.4	.1							.9	12.5
CALM												9.1	
	11.9	26.7	25.2	24.0	5.1	1.6	.1					100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 950

GLOBAL CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 171 WILDENHALL RAF UK STATION NAME 74-67 YEARS NCV
 ALL WEATHER CLASS 2100-2300 HOURS (L.E.T.)
 CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.2	.3	.3								3.3	5.5
NNE	.3	.2										1.2	4.3
NE	.4	1.2	.6	.1								2.3	5.4
ENE	.4	.3	.8	.7	.1							2.3	7.9
E	.5	.7	.3	.1								1.7	5.3
ESE	.2	.7	.4									1.2	5.5
SE	.3	1.6	.7	1.1	.2							3.7	8.1
SSE	.2	1.4	1.6	.4	.1							4.3	6.9
S	1.1	3.1	2.7	1.9	.3							9.3	7.8
SSW	1.1	2.6	3.9	4.1	1.7		.1					12.8	9.9
SW	.1	2.3	4.1	4.9	1.1	.7	.1					13.4	11.4
WSW	.7	1.4	3.1	3.8	.9	.7	.1					10.7	10.6
W	1.1	3.0	3.2	2.6	.9	.3						11.1	9.4
WNW	.4	1.7	.9	1.1	.3							4.8	7.9
NW	.4	1.4	1.1	1.7								3.9	7.7
NNW	1.1	.7	.6	.9	.1							3.3	7.6
VARBL				.4	.3							.8	15.7
CALM												10.5	
	1.3	24.6	24.2	23.1	5.8	1.1	.3					10.7	8.7

TOTAL NUMBER OF OBSERVATIONS 900

U.S. AIR FORCE
 USAFETAC
 WEATHER SERVICE/MAC

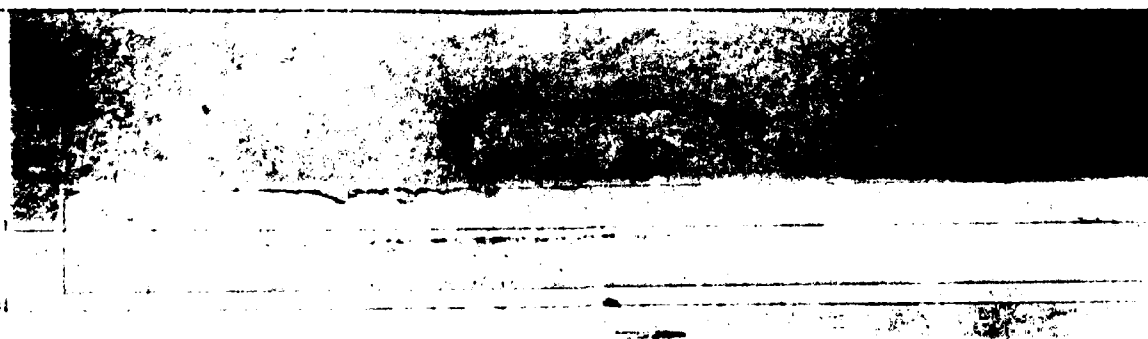
PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1771 HILDENHALL RAF UK STATION NAME 74-83 YEARS JULY
 ALL WEATHER CLASS ALL MONTHS (L.S.T.)
 CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	.1	1.5	.5	.2	.1	.1						2.9	6.1
NNE	.1	.6	.4	.1								1.3	5.9
NE	.1	1.1	.3	.1								1.3	5.2
ENE	.1	.9	.8	.3	.1	.1						2.1	6.3
E	.1	.4	.5	.3	.1	.1						2.3	7.2
ESE	.4	.4	.6	.3	.1							2.1	6.9
SE	.1	1.1	1.1	.9	.1							3.3	7.6
SSE	.4	1.7	1.3	.7	.1	.1						4.5	7.5
S	.0	2.2	3.1	2.2	.4	.1						9.4	8.4
SSW	.1	1.4	3.6	4.2	.9	.3	.1					11.7	10.7
SW	.1	1.8	4.1	5.5	1.2	.5	.1					13.7	11.3
WSW	.1	1.4	3.1	4.7	1.2	.4	.1					10.8	11.7
W	.1	2.3	2.7	2.9	1.5	.4	.1					12.1	10.2
WNW	.1	1.1	1.4	1.1	.3	.1						4.7	8.9
NW	.4	1.1	1.3	1.4	.2							4.4	9.7
NNW	.1	1.2	1.1	1.1	.3							4.5	8.4
VARBL			.3	.5	.2	.1						1.1	13.4
CALM												9.7	
	9.1	32.1	25.9	26.0	6.1	1.8	.1					100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 7200



U.S. CLIMATE DATA
 MONTHLY SUMMARY

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 FROM HOURLY OBSERVATIONS

SURFACE WINDS

STATION NAME

ALL YEARS

YEARS

DATE

MOON (L & T)

LONGITUDE

SPEED KNOTS D.B.	1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80	81-85	86-90	91-95	96-100	%	MEAN WIND SPEED
N	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
NNE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
NNE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
ENE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
E	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
ESE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SSE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
S	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SSW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
WSW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
W	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
WNW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
NW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
NNW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
VARBL	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
CALM	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	17.0	15.0	29.0	26.0	6.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

230

AL CLIMATOLOGY BRANCH
 AFAC
 WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION WILSONHALL PAF OK 77-82 DEC
 STATION NAME YEARS MONTH
ALL WEATHER 0700-0900
 CLASS HOURS (L.S.T.)
 CONDITION

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	1.4	.4	.6								2.9	4.7
NNE	.0	.6	.5									1.7	4.3
NE	.0	1.7	.2									1.9	4.3
ENE	.0	.0	.3	.3		.1						.9	8.6
E	.0	.9	1.1	.4	.7							3.3	7.7
ESE	.0	1.2	1.9	.6								4.5	7.7
SE	.0	.0	1.9	1.2	.3							4.7	8.8
SSE	.0	.4	.9	1.9	.5	.1						3.9	11.1
S	1.1	1.3	2.4	2.6	.1	.1						8.0	8.6
SSW	1.1	1.3	2.2	2.7	.6							8.8	8.8
SW	1.3	3.0	5.4	6.7	1.7	.9		.1	.1			19.6	10.9
WSW	.0	1.4	4.4	4.7	.6				.1			11.4	10.2
W	.0	1.7	2.2	3.7	.5							8.8	9.9
WNW	.0	.1	1.0	.5	.3	.1	.1					2.8	10.4
NW	.0	.3	.9	1.6								3.7	8.9
NNW	.0	.5	1.3	.5	.4							2.9	7.9
VARBL	.0	.0	.1	.5	.1							.9	12.1
CALM												10.0	
	11.3	10.1	47.1	26.8	5.1	1.3	.1	.1	.2			100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 937

CELESTIAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

15771
STATION

MILDENHALL RAF UK
STATION NAME

73-82
YEARS

DEC
MONTH

ALL WEATHER
CLASS

0600-2800
HOURS (L.S.T.)

CONDITION

SPEED KNTS. DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	1.2	1.0	.3		.2						2.9	8.2
NNE	.1	1.0	.3	.1								1.5	5.8
NE	.3	.3	.5									1.7	5.3
ENE	.3	.3	.5	.2								1.6	5.5
E	.4	.5	.3	.9								2.2	8.3
ESE	.1	1.1	1.5	.8	.1							4.1	7.8
SE	.1	.7	1.8	1.3	.3							4.9	9.5
SSE	.1	1.2	1.1	1.1	.4	.3						4.3	10.1
S	.3	1.1	2.8	2.3	.6	.1						8.1	9.7
SSW	.1	2.1	2.2	3.5	.5							8.9	9.6
SW	1.1	2.3	5.6	4.8	1.4	1.1						17.6	10.4
WSW	1.1	1.4	5.2	4.1	.5	.2	.1					12.6	13.1
W	1.0	1.3	3.1	3.7	.4	.3						9.6	10.3
WNW	.9	.4	1.2	.6	.3	.1						3.5	8.8
NW	.1	.3	1.0	.9	.2							2.9	9.2
NNW	.4	.5	1.4	.4								2.8	7.7
VARBL			.2	.4		.1						.3	14.4
CALM												10.1	
	9.9	17.7	29.6	25.8	8.9	2.3	.1					110.0	6.5

TOTAL NUMBER OF OBSERVATIONS 97

U.S. AIR FORCE
CLIMATE BRANCH
U.S. AIR FORCE
U.S. AIR FORCE
U.S. AIR FORCE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 10071 MILDENHALL RAF UK YEARS 77-82
STATION NAME ALL WEATHER CLASS 000-1101 HOURS (L.S.T.)
CONDITION

SPEED KNTS. DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.2	1.7	.5	.2							3.2	2.3
NNE	.1	.5	.3	.1		.1						1.3	7.7
NE		.7	.3	.1								1.4	6.0
ENE	.2	.2	.4	.4								1.7	7.5
E	.3	.1	.7	1.7								2.5	8.7
ESE	.4	.2	.9	1.2	.2							3.9	8.4
SE	.1	1.4	2.3	1.7	.1							5.4	9.7
SSE	.1	.6	1.5	1.7	.3							4.3	10.2
S	.4	1.1	1.9	1.9	.5	.4						9.1	10.7
SSW	.2	1.4	2.8	3.3	.6							9.4	9.7
SW	.2	1.7	4.9	5.4	1.3	.6						14.7	11.2
WSW	1.3	1.7	4.2	5.3	1.9	.8						15.1	11.2
W	1.7	1.7	2.8	4.4	1.7	.1						11.0	10.4
WNW	.1	.7	1.5	.6	.3	.1						3.4	9.3
NW	.4	.6	1.6	.8	.2							3.5	9.1
NNW	.6	.3	1.8	.5	.1							3.7	7.7
VARBL			.3	1.1	.3	.4						2.2	15.6
CALM												7.4	
	7.5	17.1	28.8	29.4	7.2	2.6						131.0	9.3

TOTAL NUMBER OF OBSERVATIONS 930

U.S. AIR FORCE
CLIMATE BRANCH
METAC
WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 15771 HILDENHALL RAF MK STATION NAME YEARS 75-82 DEC MONTH
ALL WEATHER CLASS 1200-1400 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.7	.9	1.1	.3							4.4	8.5
NNE		.5	.4	.1								1.3	6.7
NE		.1	.6									1.3	7.2
ENE		.4	.6	.5								2.7	7.7
E		.3	1.7	1.1								4.2	8.4
ESE		.4	.4	1.1	.9	.3						3.0	9.4
SE		.5	.9	2.3	.3							4.2	10.7
SSE		1.1	1.6	1.5	.3							4.6	9.6
S		.4	1.9	1.7	.3	.3						5.9	12.2
SSW		.5	1.9	2.3	1.7							6.8	12.2
SW		.2	2.7	3.8	4.5	1.3	.3	.2				14.0	11.3
WSW		.2	1.9	5.1	4.8	1.8	.8					14.8	11.5
W	1.1	2.3	3.0	3.3	1.3	.6						16.6	11.6
WNW	.3	1.2	1.9	1.0	.1	.2						4.2	8.9
NW	.3	.2	2.1	.8	.5	.1						4.6	11.0
NNW	.5	.5	1.4	1.3								3.9	8.9
VARBL			.2	1.3	.2	.1						1.8	14.9
CALM												3.4	
	6.6	16.1	28.5	33.3	8.5	1.3	.2					100.0	10.3

TOTAL NUMBER OF OBSERVATIONS 930

1. AL CLIMATOLOGY BRANCH
2. METAC
3. WEATHER SERVICE/FAO

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 5771 MILDENHALL RAF K 77-82 010
STATION NAME YEARS MONTH
ALL WEATHER
CLASS
1960-1969
HOURLS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.03	1.1	1.2	.8	.1							3.8	7.5
NNE		.3										.2	4.8
NE		.4	.3									.8	6.1
ENE	.1	.5	1.0	.2								1.9	7.3
E	.1	1.1	1.5	1.0	.1							4.2	8.4
ESE	.1	.2	.9	1.1								2.9	8.7
SE	.1	.9	1.5	1.5	.3							4.4	10.3
SSE	.4	1.4	1.8	1.1	.2							5.5	9.3
S	1.1	1.0	1.9	1.5	.2	.3						6.3	8.7
SSW	.2	1.4	2.2	3.1	.2	.2						8.4	9.6
SW	.6	3.1	4.1	5.2	.5	.6						14.2	10.0
WSW	1.1	2.5	4.0	3.3	1.1	.3	.2					13.4	10.2
W	1.2	1.3	3.9	4.7	.5	.1						12.3	9.9
WNW	.4	1.1	1.1	1.3	.4	.1						4.4	10.0
NW	.4	.9	1.4	.5								3.2	7.3
NNW	.9	1.2	2.7	1.7		.2						5.9	8.7
VARBL			.4	1.5	.1							2.0	12.6
CALM												5.3	
	9.5	21.1	30.9	27.7	4.4	1.9	.2					100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 230

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 15771 MILDENHALL DAF OK YEARS 73-82 DATE DEC
STATION NAME ALL WEATHER CLASS 1000-2000
CONDITION HOURLY (L.S.T.)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.4	.6	.3								3.1	6.7
NNE	.4	.8	.3									1.3	4.5
NE	.1	.7		.3								1.3	6.5
ENE	.1	.3	.2	.1								1.2	6.2
E	.2	.3	1.1	1.5								4.1	6.2
ESE	.3	.5	1.5	.6								3.5	7.3
SE	.2	1.4	1.7	1.7	.1	.1						5.8	2.1
SSE	.4	1.1	2.2	1.7	.4	.1						5.7	9.8
S	.3	1.8	1.7	2.2	.5	.2						7.2	10.0
SSW	.4	1.8	2.6	3.4	.9	.2						9.6	10.5
SW	1.1	4.3	5.6	4.2	.9							15.9	9.3
WSW	.2	3.3	4.3	2.9	.8	.6	.2					13.4	9.8
W	.4	1.4	4.1	2.7	.8	.1						9.5	10.2
WNW		.3	.2	1.4	.3	.1						2.5	12.4
NW		1.3	1.2	1.0								3.7	8.1
NNW	1.1	1.2	1.7	1.3								5.2	7.7
VARBL			.6	.4	.1							1.2	11.5
CALM												6.7	
	8.1	23.5	27.6	25.8	8.6	1.5	.2					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 930

U.S. AIR FORCE CLIMATOLOGY BRANCH
AFETAC
WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 71 MILDENHALL PAF UK STATION NAME 71-80 YEARS DIC
ALL WEATHER NORTH
1100-2300
 CLASS NOVS (L.S.T.)
 CONDITION

SPEED KNTS: DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	1.6	.2		.1							2.5	5.0
NNE	.0	.5	.5									1.1	3.6
NE	.0	.4	.3	.1								1.1	3.0
ENE	.0	.4	.5	.3								1.8	7.1
E	1.4	.3	.9	.6	.3							4.1	7.3
ESE	.0	1.1	1.8	1.7								4.3	7.9
SE	.5	1.1	1.6	1.7		.3	.1					5.3	9.9
SSE	.0	1.1	.9	1.8								4.3	6.7
S	.0	1.3	3.7	1.8	.4	.1						7.2	9.7
SSW	.0	1.9	3.4	2.9	.9	.4	.1					10.2	10.5
SW	1.5	3.0	4.6	5.1	1.3	.2						15.7	9.8
WSW	.6	3.1	4.2	3.7	1.7	.1						13.0	9.4
W	.8	1.7	2.9	2.5	1.3	.2						9.4	10.3
WNW	.6	.6	1.8	1.3	.3	.1						4.8	9.1
NW	.7	.2	2.7	1.7	.1							3.5	9.1
NNW	.5	1.2	1.8	.5								4.1	7.3
VARBL		.1	.1	1.7	.1	.2						1.5	14.6
CALM												7.4	
	9.6	27.1	30.6	24.8	5.7	1.6	.2					100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 930

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/VAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 10071 WILDENHALL RAF MK STATION NAME 70-20 YEARS D.C. MONTH 7-11 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.3	.8	.5	.1	.2						3.3	7.3
NNE	.1	.5	.3	.1		.7						1.2	2.7
NE	.1	.7	.4	.1								1.3	5.1
ENE	.1	.5	.5	.3								1.5	7.2
E	.1	.9	1.1	1.7	.1	.1						3.4	8.1
ESE	.1	.9	1.5	.8	.1	.1						3.9	8.1
SE	.1	1.1	1.7	1.5	.2	.1	.1					4.8	9.4
SSE	.1	.2	1.4	1.5	.4	.1						4.6	9.8
S	.1	1.4	2.2	2.7	.4	.3						6.9	9.8
SSW	.1	1.6	2.6	3.1	.3	.1	.1					9.1	10.1
SW	1.2	3.2	5.7	5.0	1.3	.5	.1	.1	.1			15.1	12.4
WSW	.3	2.1	4.5	4.0	1.1	.3	.1		.1			11.1	11.4
W	.1	1.7	3.7	4.1	.8	.2						11.8	11.3
WNW	.4	.7	1.1	.9	.3	.1	.1					3.7	9.6
NW	.1	.1	1.5	1.7	.1	.1						3.6	9.0
NNW	.1	.2	1.7	.1	.1	.1						4.2	7.8
VARBL		.1	.3	.3	.1	.1						1.4	13.8
CALM												7.4	
	9.1	12.1	22.3	27.4	5.8	1.9	.1	.1	.1			100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 7440

U.S. AIR FORCE CLIMATOLOGY BRANCH
 AFM 7-10
 WEATHER SERVICE/AFM

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

STATION 577 ILDENHALL RAF UK STATION NAME ILDENHALL YEARS 1945-1953 MONTH ALL

ALL WEATHER CLASS ALL HOURS (L.S.T.) ALL

CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.0	2.1	1.7	.1	.0	.0	.0	.0	.0	.0	5.9	7.5
NNE	.0	1.0	1.3	.6	.7	.0	.0	.0	.0	.0	.0	3.7	7.3
NE	.4	.0	1.1	.6	.1	.0	.0	.0	.0	.0	.0	3.3	7.3
ENE	.0	.0	.9	.5	.0	.0	.0	.0	.0	.0	.0	2.6	7.6
E	.0	1.3	1.5	.6	.1	.0	.0	.0	.0	.0	.0	4.4	7.3
ESE	.0	1.0	1.1	.5	.0	.0	.0	.0	.0	.0	.0	3.7	6.8
SE	.0	1.6	1.3	.9	.1	.0	.0	.0	.0	.0	.0	4.5	7.2
SSE	.0	1.4	1.3	.9	.0	.0	.0	.0	.0	.0	.0	4.5	7.8
S	.0	2.2	2.8	1.7	.3	.1	.0	.0	.0	.0	.0	7.8	6.3
SSW	.0	1.4	2.4	2.3	.5	.1	.0	.0	.0	.0	.0	8.0	7.4
SW	.0	2.3	3.4	3.2	.5	.3	.0	.0	.0	.0	.0	10.6	6.8
WSW	.0	1.7	3.0	2.3	.7	.2	.0	.0	.0	.0	.0	9.7	10.0
W	.0	2.1	2.3	2.4	.6	.7	.0	.0	.0	.0	.0	8.9	9.3
WNW	.4	.0	1.3	1.1	.2	.1	.0	.0	.0	.0	.0	4.0	9.0
NW	.1	1.7	1.3	.8	.1	.0	.0	.0	.0	.0	.0	3.8	8.0
NNW	.7	1.2	1.3	.7	.1	.0	.0	.0	.0	.0	.0	4.3	7.4
VARBL	.1	.7	1.5	1.0	.2	.7	.0	.0	.0	.0	.0	2.3	1.9
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.7	
	11.1	21.5	30.0	21.0	3.9	1.1	.1	.0	.0	.0	.0	100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 27643

CLIMAT CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

18071
STATION

MILDENHALL RAF UK
STATION NAME

77-83
YEARS

ALL
MONTHS

INSTRUMENT
CLASS

ALL
HOURS (L.S.T.)

SIG 100 TO 1400 FT W/ VSBY 1/2 MI OR MORE.

CONDITION

AND/OR VSBY 1/2 TO 2-1/2 MI W/SIG 200 FT OR MORE

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.0	3.0	1.4	.1	.7	.0	.7				8.2	7.7
NNE	.7	1.5	2.1	.7	.1							5.7	7.2
NE	.5	1.5	1.8	.7	.1	.7						4.5	7.7
ENE	.5	1.4	1.6	.6	.7							4.1	7.1
E	.1	2.1	2.6	1.0	.7							6.2	7.3
ESE	1.1	2.1	1.7	.8	.7	.7						5.7	6.6
SE	1.0	2.4	2.1	1.2	.2	.1	.7					6.2	7.4
SSE	.7	1.6	1.5	1.7	.7	.7	.0					5.9	7.7
S	1.2	1.3	1.8	1.2	.3	.1						6.5	7.8
SSW	1.2	1.4	1.4	1.2	.3	.2						5.5	8.7
SW	1.1	1.3	1.7	1.1	.3	.7		.7				6.1	7.6
WSW	1.7	1.5	1.6	.6	.1	.7	.7					4.2	6.9
W	1.1	1.3	1.2	.4	.1	.7	.7					4.6	6.2
WNW	.5	1.1	.9	.6	.7							3.1	7.5
NW	.5	1.1	1.4	.8	.1							3.9	7.7
NNW	.2	1.3	1.8	.7	.1	.7						4.9	7.3
VARBL	.1	.1	.3	.3	.1	.1						.7	11.2
CALM												17.3	
	14.5	27.1	28.4	14.1	2.7	.5	.0	.0				100.0	8.6

TOTAL NUMBER OF OBSERVATIONS

17886

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968. For most Airways stations, visibilities of greater than 7 miles were not reported for part of the period of record. Therefore, the ≥ 10 mi visibility category should be used with great caution.

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 8	≥ 6	≥ 4	≥ 3	$\geq 2\frac{1}{2}$	≥ 2	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	≥ 1	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq \frac{1}{8}$	≥ 0
NO CEILING															
1800															
1500					91.0										92.6
1200															
1000															
900															
800															
700															
600															
500										97.4					98.1
400															
300															
200															
100															
0					95.4		96.9			98.3					100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
 For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
 Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
 Visibility ≥ 3 miles = 95.4%.
 Visibility ≥ 2 miles = 96.9%.
 Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%. Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility ≥ 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

FEDERAL CLIMATOLOGY BRANCH
 ETAC
 AIRCRAFT SERVICE MAP

CEILING VERSUS VISIBILITY

1957
 STATION

ELDENHALL RAF K
 STATION NAME

4-6
 YEARS

1
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

300-2200
 HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥1/64
≥20000	2.7	27.1	29.9	3.4	7.3	33.3	34.7	34.7	35.2	35.3	35.3	35.3	35.3	35.3	35.5	35.9
≥18000	2.7	3.7	33.5	34.2	34.5	35.7	38.6	38.6	39.1	39.1	39.1	39.1	39.1	39.1	39.4	39.8
≥16000	2.7	3.7	33.5	34.2	34.5	3.7	38.6	38.6	39.1	39.1	39.1	39.1	39.1	39.1	39.4	39.8
≥14000	2.7	3.7	33.5	34.2	34.5	36.7	38.6	38.6	39.1	39.1	39.1	39.1	39.1	39.1	39.4	39.8
≥12000	2.7	30.2	33.8	34.4	34.7	36.8	38.8	38.8	39.2	39.4	39.4	39.4	39.4	39.4	39.6	4.0
≥10000	2.7	3.7	34.6	35.7	3.6	37.8	39.9	39.9	40.3	40.4	40.4	40.4	40.4	4.4	47.6	41.1
≥9000	2.7	31.2	35.1	35.7	36.1	33.3	47.3	47.3	47.3	40.9	40.9	40.9	40.9	40.9	41.3	41.7
≥8000	32.6	33.4	37.8	38.5	38.8	41.1	43.2	43.2	43.7	43.8	43.8	43.8	43.8	43.8	44.2	44.6
≥7000	3.1	34.6	39.1	39.7	40.7	42.3	44.4	44.4	44.8	44.9	44.9	44.9	44.9	44.9	45.8	45.8
≥6000	3.1	34.6	39.2	39.9	4.2	42.8	44.6	44.6	45.1	45.2	45.2	45.2	45.2	45.2	45.6	46.7
≥5000	34.6	35.4	40.3	41.1	41.4	43.3	46.1	46.1	46.5	46.6	46.6	46.6	46.6	46.6	47.1	47.4
≥4500	2.7	4.3	45.7	46.9	46.8	49.4	51.6	51.6	52.2	52.3	52.3	52.3	52.3	52.3	52.7	53.1
≥4000	41.1	42.4	49.1	49.9	50.3	53.7	55.4	55.5	56.2	5.3	56.3	56.3	56.3	56.3	56.8	57.2
≥3500	44.1	45.8	53.0	54.1	54.5	57.3	5.1	60.1	6.9	61.1	61.1	61.1	61.1	61.1	61.4	61.8
≥3000	4.1	50.2	58.2	58.6	60.2	62.3	65.7	65.9	66.7	66.8	66.8	66.8	66.8	66.8	67.2	67.6
≥2500	2.1	53.1	61.8	63.5	64.2	67.1	7.3	70.2	71.9	71.1	71.1	71.1	71.1	71.1	71.5	71.9
≥2000	5.3	59.3	68.1	7.1	70.9	73.3	77.1	77.3	78.1	78.2	78.2	78.2	78.2	78.2	78.6	79.0
≥1800	5.7	8.9	63.7	70.9	71.6	74.6	77.7	78.1	78.8	78.9	78.9	78.9	78.9	78.9	79.4	79.8
≥1600	6.2	73.4	75.4	76.7	8.4	83.7	84.2	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.5	85.9
≥1400	2.3	63.7	75.8	78.1	79.1	83.1	86.2	86.8	88.1	88.1	88.1	88.1	88.1	88.1	88.5	8.9
≥1200	3.7	4.6	77.2	79.7	80.5	84.7	88.0	88.5	89.7	9.0	90.0	90.0	90.0	90.0	90.4	9.9
≥1000	3.1	64.9	78.1	8.5	81.4	85.6	88.8	9.4	90.5	90.9	90.9	90.9	90.9	90.9	91.3	91.7
≥900	3.2	65.2	79.1	81.7	82.6	86.8	9.7	90.9	92.0	92.4	92.4	92.4	92.4	92.4	92.8	93.2
≥800	3.7	65.6	79.5	82.4	83.2	87.4	90.8	91.6	92.8	93.1	93.1	93.1	93.1	93.1	93.5	94.1
≥700	3.7	65.6	79.7	82.7	83.7	88.1	91.4	2.3	93.4	93.9	93.9	93.9	93.9	93.9	94.3	94.7
≥600	3.3	65.7	79.8	83.1	84.1	88.6	92.3	93.1	94.3	94.7	94.7	94.7	94.7	94.7	95.2	95.7
≥500	3.4	65.7	79.9	83.1	84.3	88.9	92.9	93.9	95.1	95.6	95.6	95.6	95.6	95.6	96.1	96.6
≥400	3.3	65.7	79.9	83.1	84.3	89.1	93.2	94.2	95.7	96.2	96.2	96.2	96.2	96.2	97.1	97.8
≥300	3.3	65.7	79.9	83.1	84.3	89.1	93.2	94.2	95.7	96.1	96.1	96.1	96.1	96.1	97.1	97.8
≥200	3.3	65.7	79.9	83.1	84.3	89.1	93.2	94.2	95.7	96.1	96.1	96.1	96.1	96.1	97.1	97.8
≥100	3.3	65.7	79.9	83.1	84.3	89.1	93.2	94.2	95.8	96.3	96.3	96.3	96.3	96.3	97.3	98.2
≥0	3.3	65.7	79.9	8.1	84.3	89.1	93.2	94.2	95.8	96.3	96.3	96.3	96.3	96.3	97.3	98.2

TOTAL NUMBER OF OBSERVATIONS 930

U.S. AIR FORCE
METEOROLOGICAL SERVICE
AFETAC

CEILING VERSUS VISIBILITY

STATION NAME
ILDENHALL RA X

YEAR
4-57

MONTH
JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

PERIOD
00-0500
HOURS (EST)

CEILING FEET	VISIBILITY: STATUTE MILES OR (IN METERS F MET R)															
	5.0	4.0	3.0	2.0	1.5	1.0	.75	.5	.25	.15	.1	.075	.05	.025	.01	.005
≥ 12000	0.0	2.5	29.5	27.6	29.6	33.0	31.9	32.2	32.6	32.6	32.7	32.9	33.1	33.4	34.2	
≥ 8000	0.1	2.9	31.2	32.7	32.3	33.5	34.7	34.9	35.4	35.4	35.5	35.6	35.9	36.2	37.0	
≥ 6000	0.1	2.9	31.2	32.7	32.3	33.5	34.7	34.9	35.4	35.4	35.5	35.6	35.9	36.2	37.0	
≥ 4000	0.1	2.9	31.2	32.7	32.3	33.5	34.7	34.9	35.4	35.4	35.5	35.6	35.9	36.2	37.0	
≥ 3000	0.3	2.7	31.3	32.4	32.4	33.7	34.8	35.1	35.5	35.5	35.6	35.7	36.0	36.3	37.1	
≥ 2000	0.9	2.4	33.4	34.5	34.5	35.5	37.0	37.2	37.6	37.6	37.7	37.8	38.2	38.5	39.2	
≥ 1500	0.7	3.5	34.4	35.7	35.7	36.2	38.4	38.8	38.8	38.8	38.9	39.0	39.4	39.7	40.4	
≥ 1000	2.0	3.5	34.4	35.7	35.7	36.2	38.4	38.8	38.8	38.8	38.9	39.0	39.4	39.7	40.4	
≥ 800	3.3	34.4	33.8	47.4	40.5	41.8	47.0	43.2	43.7	43.7	43.8	43.9	44.2	44.5	45.3	
≥ 600	3.3	34.4	33.8	47.4	40.5	41.8	47.0	43.2	43.7	43.7	43.8	43.9	44.2	44.5	45.3	
≥ 500	0.5	35.6	40.1	41.0	41.0	43.3	44.5	44.7	45.2	45.2	45.7	45.7	45.7	45.7	46.8	
≥ 450	0.1	40.2	44.8	46.7	46.8	48.2	49.4	49.6	50.0	50.0	50.1	50.2	50.5	50.9	51.6	
≥ 400	2.2	43.2	43.7	50.5	0.6	52.5	53.7	54.0	54.5	54.5	54.6	54.7	55.1	55.4	56.1	
≥ 350	4.6	46.7	53.0	55.2	55.4	57.5	58.9	59.4	59.9	59.9	60.0	60.1	60.4	60.8	61.5	
≥ 300	4.7	51.1	57.7	59.9	60.1	62.4	63.8	64.2	64.7	64.7	64.8	64.9	65.3	65.6	66.3	
≥ 250	2.2	53.7	61.0	63.1	63.3	65.9	67.3	67.7	68.3	68.3	68.4	68.5	68.8	69.1	69.9	
≥ 200	5.5	58.2	66.9	69.5	69.8	72.5	73.9	74.3	74.9	74.9	75.3	75.4	75.9	76.1	76.9	
≥ 1800	5.3	59.0	67.7	73.6	71.0	73.7	75.1	75.5	76.1	76.2	76.5	76.6	77.0	77.3	78.1	
≥ 1500	1.5	63.0	72.8	76.0	76.3	79.6	81.0	81.4	82.0	82.2	82.4	82.5	82.9	83.2	84.0	
≥ 1200	3.2	65.1	75.4	78.8	79.4	82.7	84.3	84.7	85.9	86.0	86.2	86.3	86.8	87.1	87.8	
≥ 1000	4.5	66.3	76.8	80.2	80.9	84.5	86.1	86.6	87.7	87.8	88.1	88.2	88.6	88.9	89.7	
≥ 900	4.6	66.0	77.3	81.0	81.3	85.1	86.7	87.1	88.4	88.5	88.7	88.8	89.2	89.6	90.3	
≥ 800	4.3	66.9	77.7	81.4	81.9	85.8	87.4	88.2	89.6	89.7	89.9	90.0	90.4	90.8	91.5	
≥ 700	5.1	67.7	78.5	82.2	82.7	86.6	88.2	88.9	90.3	90.4	90.6	90.8	91.2	91.5	92.3	
≥ 600	0.2	67.2	78.8	82.5	83.7	87.2	88.9	89.7	91.1	91.2	91.4	91.5	91.9	92.3	93.0	
≥ 500	5.2	67.2	79.7	84.0	84.5	88.9	90.8	91.5	92.9	93.0	93.2	93.3	93.8	94.1	95.2	
≥ 400	5.2	67.2	79.7	84.0	84.6	89.0	91.3	92.0	93.4	93.5	93.8	93.9	94.3	94.6	95.7	
≥ 300	5.2	67.2	79.7	84.1	84.7	89.2	91.5	92.4	94.1	94.2	94.5	94.8	95.5	96.1	97.4	
≥ 200	5.2	67.2	79.7	84.1	84.7	89.4	91.6	92.5	94.3	94.4	94.7	95.1	96.1	96.9	98.6	
≥ 100	5.2	67.2	79.7	84.1	84.7	89.4	91.6	92.6	94.4	94.5	94.8	95.2	96.6	97.7	100.0	
≥ 0	5.2	67.2	79.7	84.1	84.7	89.4	91.6	92.6	94.4	94.5	94.8	95.2	96.6	97.7	100.0	

TOTAL NUMBER OF OBSERVATIONS 777

LOCAL CLIMATOLOGY BRANCH
METAC
AIR WEATHER SERVICE/NAAC

CEILING VERSUS VISIBILITY

STATION: EDENHALL RAF K
STATION NAME

4-87

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10-5820
HOURS

CEILING FEET	VISIBILITY STATUTE MILES OR (1.6 DECS OF METERS)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05
≥20000	1.1	21.5	24.7	25.6	25.6	26.6	27.3	27.4	27.8	28.0	28.3	28.3	28.3	28.3	28.3	28.3
≥18000	2.5	5.5	28.6	29.5	29.5	29.5	30.4	31.2	31.3	31.7	31.9	31.9	32.3	32.3	32.4	32.6
≥16000	2.5	25.5	28.6	29.5	29.5	29.5	30.4	31.2	31.3	31.7	31.9	31.9	32.3	32.3	32.4	32.6
≥14000	2.5	25.5	28.6	29.5	29.5	29.5	30.4	31.2	31.3	31.7	31.9	31.9	32.3	32.3	32.4	32.6
≥12000	2.5	25.5	28.6	29.5	29.5	29.5	30.4	31.2	31.3	31.7	31.9	31.9	32.3	32.3	32.4	32.6
≥10000	2.5	25.5	28.6	29.5	29.5	29.5	30.4	31.2	31.3	31.7	31.9	31.9	32.3	32.3	32.4	32.6
≥8000	2.5	25.5	28.6	29.5	29.5	29.5	30.4	31.2	31.3	31.7	31.9	31.9	32.3	32.3	32.4	32.6
≥6000	2.5	25.5	28.6	29.5	29.5	29.5	30.4	31.2	31.3	31.7	31.9	31.9	32.3	32.3	32.4	32.6
≥5000	2.5	25.5	28.6	29.5	29.5	29.5	30.4	31.2	31.3	31.7	31.9	31.9	32.3	32.3	32.4	32.6
≥4500	2.5	25.5	28.6	29.5	29.5	29.5	30.4	31.2	31.3	31.7	31.9	31.9	32.3	32.3	32.4	32.6
≥4000	2.5	25.5	28.6	29.5	29.5	29.5	30.4	31.2	31.3	31.7	31.9	31.9	32.3	32.3	32.4	32.6
≥3500	2.5	25.5	28.6	29.5	29.5	29.5	30.4	31.2	31.3	31.7	31.9	31.9	32.3	32.3	32.4	32.6
≥3000	2.5	25.5	28.6	29.5	29.5	29.5	30.4	31.2	31.3	31.7	31.9	31.9	32.3	32.3	32.4	32.6
≥2500	2.5	25.5	28.6	29.5	29.5	29.5	30.4	31.2	31.3	31.7	31.9	31.9	32.3	32.3	32.4	32.6
≥2000	2.5	25.5	28.6	29.5	29.5	29.5	30.4	31.2	31.3	31.7	31.9	31.9	32.3	32.3	32.4	32.6
≥1800	2.5	25.5	28.6	29.5	29.5	29.5	30.4	31.2	31.3	31.7	31.9	31.9	32.3	32.3	32.4	32.6
≥1600	2.5	25.5	28.6	29.5	29.5	29.5	30.4	31.2	31.3	31.7	31.9	31.9	32.3	32.3	32.4	32.6
≥1400	2.5	25.5	28.6	29.5	29.5	29.5	30.4	31.2	31.3	31.7	31.9	31.9	32.3	32.3	32.4	32.6
≥1200	2.5	25.5	28.6	29.5	29.5	29.5	30.4	31.2	31.3	31.7	31.9	31.9	32.3	32.3	32.4	32.6
≥1000	2.5	25.5	28.6	29.5	29.5	29.5	30.4	31.2	31.3	31.7	31.9	31.9	32.3	32.3	32.4	32.6
≥900	2.5	25.5	28.6	29.5	29.5	29.5	30.4	31.2	31.3	31.7	31.9	31.9	32.3	32.3	32.4	32.6
≥800	2.5	25.5	28.6	29.5	29.5	29.5	30.4	31.2	31.3	31.7	31.9	31.9	32.3	32.3	32.4	32.6
≥700	2.5	25.5	28.6	29.5	29.5	29.5	30.4	31.2	31.3	31.7	31.9	31.9	32.3	32.3	32.4	32.6
≥600	2.5	25.5	28.6	29.5	29.5	29.5	30.4	31.2	31.3	31.7	31.9	31.9	32.3	32.3	32.4	32.6
≥500	2.5	25.5	28.6	29.5	29.5	29.5	30.4	31.2	31.3	31.7	31.9	31.9	32.3	32.3	32.4	32.6
≥400	2.5	25.5	28.6	29.5	29.5	29.5	30.4	31.2	31.3	31.7	31.9	31.9	32.3	32.3	32.4	32.6
≥300	2.5	25.5	28.6	29.5	29.5	29.5	30.4	31.2	31.3	31.7	31.9	31.9	32.3	32.3	32.4	32.6
≥200	2.5	25.5	28.6	29.5	29.5	29.5	30.4	31.2	31.3	31.7	31.9	31.9	32.3	32.3	32.4	32.6
≥100	2.5	25.5	28.6	29.5	29.5	29.5	30.4	31.2	31.3	31.7	31.9	31.9	32.3	32.3	32.4	32.6
≥0	2.5	25.5	28.6	29.5	29.5	29.5	30.4	31.2	31.3	31.7	31.9	31.9	32.3	32.3	32.4	32.6

TOTAL NUMBER OF OBSERVATIONS 932

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CLIMATOLOGY BRANCH
METAC
A. WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION ILDENHALL RAF K

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

DATE 00-1100
HOURS 151

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)																		
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥1/64	≥1/128	≥1/256	≥1/512
NO. CEILING ≥ 20000	1.7	19.9	21.8	22.5	22.7	23.4	23.8	23.9	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.4
≥ 18000	2.3	25.6	28.8	29.9	29.8	30.2	31.1	31.2	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	32.2
≥ 16000	2.3	25.6	28.8	29.9	29.8	30.2	31.1	31.2	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	32.5
≥ 14000	2.3	25.6	28.8	29.9	29.8	30.2	31.1	31.2	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	32.5
≥ 12000	2.3	25.6	28.8	29.9	29.8	30.2	31.1	31.2	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	32.5
≥ 10000	2.4	27.7	31.3	32.4	32.6	33.7	34.1	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	35.1
≥ 9000	2.4	27.7	31.3	32.4	32.6	33.7	34.1	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	37.3
≥ 8000	2.5	32.1	36.7	38.1	38.2	39.4	39.7	39.9	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	41.2
≥ 7000	3.1	34.4	39.2	39.5	39.7	41.1	41.3	41.5	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.6
≥ 6000	3.1	34.4	39.2	39.5	39.7	41.1	41.3	41.5	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.6
≥ 5000	3.1	34.4	39.2	39.5	39.7	41.1	41.3	41.5	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.6
≥ 4500	3.1	34.4	39.2	39.5	39.7	41.1	41.3	41.5	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.6
≥ 4000	4.3	45.1	49.8	51.7	52.1	54.1	54.9	55.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	57.1
≥ 3500	4.2	47.4	52.4	54.5	54.8	56.9	58.0	58.6	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.5
≥ 3000	5.1	52.3	57.4	6.1	60.4	62.5	63.5	6.1	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	66.2
≥ 2500	5.4	56.3	62.1	64.8	65.2	67.2	68.4	69.1	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	71.2
≥ 2000	5.4	6.4	66.7	69.7	70.0	72.3	73.5	74.5	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.8
≥ 1500	5.6	6.6	66.9	69.9	7.2	72.6	73.9	74.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	77.1
≥ 1200	1.4	63.4	7.3	73.5	73.9	76.5	78.4	79.6	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.9
≥ 1000	3.3	65.7	73.2	76.7	77.1	79.7	81.7	83.2	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.8
≥ 900	4.2	66.6	74.3	77.8	78.3	81.1	83.4	85.2	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.8
≥ 800	4.2	66.6	74.3	77.8	78.3	81.1	83.4	85.2	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	88.1
≥ 700	4.6	67.1	75.6	79.2	79.7	82.9	85.6	87.4	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	90.8
≥ 600	54.9	67.3	76.3	8.1	81.5	84.3	87.2	89.1	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.9
≥ 500	54.9	67.3	76.3	8.1	81.5	84.3	87.2	89.1	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.9
≥ 400	54.9	67.3	76.3	8.1	81.5	84.3	87.2	89.1	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.9
≥ 300	54.9	67.3	76.3	8.1	81.5	84.3	87.2	89.1	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.9
≥ 200	54.9	67.3	76.3	8.1	81.5	84.3	87.2	89.1	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.9
≥ 100	54.9	67.3	76.3	8.1	81.5	84.3	87.2	89.1	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.9
≥ 0	54.9	67.3	76.3	8.1	81.5	84.3	87.2	89.1	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.9

TOTAL NUMBER OF OBSERVATIONS 930

LOCAL CLIMATOLOGY BRANCH
ETAC
AIR WEATHER SERVICE MAC

CEILING VERSUS VISIBILITY

1977
STATION

ILDENHALL DAF K
STATION NAME

4-97
YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1000-1400
HOURS (LST)

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
≥20000	1.2	1.7	21.8	22.2	22.2	22.2	22.2	23.7	23.7	23.4	23.4	23.7	23.7	23.7	23.7	23.7
≥18000	1.1	2.6	29.1	29.5	29.5	29.5	30.2	30.8	30.9	31.0	31.0	31.0	31.2	31.2	31.2	31.2
≥16000	1.2	2.6	29.1	29.5	29.5	29.5	30.2	30.8	30.9	31.0	31.0	31.0	31.2	31.2	31.2	31.2
≥14000	1.2	2.6	29.1	29.5	29.5	29.5	30.2	30.8	30.9	31.0	31.0	31.0	31.2	31.2	31.2	31.2
≥12000	1.3	2.6	29.2	29.6	29.6	29.6	30.3	30.9	30.9	31.1	31.1	31.1	31.3	31.3	31.3	31.3
≥10000	1.8	2.8	3.8	31.1	1.1	31.1	32.4	32.4	32.6	32.6	32.6	32.6	32.8	32.8	32.8	32.8
≥9000	1.7	2.9	31.9	32.4	12.4	33.4	34.0	34.0	34.2	34.2	34.2	34.2	34.4	34.4	34.4	34.4
≥8000	1.2	3.3	35.8	36.7	16.7	37.8	38.4	38.4	38.6	38.6	38.6	38.6	38.8	38.8	38.8	38.8
≥7000	3.0	34.4	37.2	38.1	18.1	39.8	39.8	40.0	40.0	40.0	40.0	40.0	40.2	40.2	40.2	40.2
≥6000	3.1	35.1	37.8	38.7	18.7	39.9	40.4	40.4	40.6	40.6	40.6	40.6	40.9	40.9	40.9	40.9
≥5000	3.2	36.1	39.3	40.0	40.1	41.4	41.3	41.3	41.9	42.2	42.2	42.2	42.4	42.4	42.4	42.4
≥4500	1.3	41.0	44.4	44.4	45.5	47.1	47.6	47.6	47.8	47.8	47.8	47.8	48.1	48.1	48.1	48.1
≥4000	4.2	47.5	51.8	52.9	53.0	54.6	55.2	55.2	55.4	55.4	55.4	55.4	55.6	55.6	55.6	55.6
≥3500	4.6	50.2	55.2	56.2	56.3	58.1	58.8	58.8	59.0	59.0	59.0	59.0	59.2	59.2	59.2	59.2
≥3000	5.5	57.0	62.3	63.7	63.8	65.7	66.6	66.6	66.8	66.8	66.8	66.8	67.0	67.0	67.0	67.0
≥2500	5.9	60.4	65.8	67.4	67.5	69.6	70.4	70.4	70.6	70.6	70.6	70.6	70.9	70.9	70.9	70.9
≥2000	3.4	65.2	71.5	73.5	73.7	76.1	77.4	77.4	77.6	77.6	77.6	77.6	77.8	77.8	77.8	77.8
≥1800	4.3	66.1	72.5	74.6	74.7	77.3	78.6	78.6	78.8	78.9	78.9	78.9	79.1	79.1	79.1	79.1
≥1500	6.6	68.5	75.4	77.5	77.6	80.0	81.7	81.7	81.9	82.0	82.0	82.0	82.3	82.3	82.3	82.3
≥1200	6.8	69.8	77.3	79.8	80.0	82.7	84.4	84.4	84.6	84.8	84.9	84.9	85.2	85.2	85.2	85.2
≥1000	6.0	70.3	78.2	80.8	81.0	83.7	85.5	85.7	86.0	86.2	86.2	86.2	86.5	86.5	86.5	86.5
≥900	5.4	70.8	78.6	81.3	81.6	84.3	86.5	86.5	87.1	87.4	87.4	87.4	87.6	87.6	87.6	87.6
≥800	6.1	71.3	79.6	82.3	82.6	85.4	87.7	88.4	88.7	89.0	89.4	89.7	89.7	89.7	89.7	89.7
≥700	6.9	72.0	80.6	83.7	84.0	86.8	89.4	90.0	90.5	90.9	91.2	91.5	91.5	91.5	91.5	91.5
≥600	6.9	72.0	81.1	84.3	84.6	87.6	90.8	91.0	92.6	92.9	93.2	93.5	93.5	93.5	93.5	93.5
≥500	7.1	72.3	81.4	84.8	85.2	88.6	91.7	92.9	94.1	94.5	94.8	95.2	95.2	95.2	95.2	95.2
≥400	7.2	72.4	81.6	85.2	85.5	88.9	92.5	93.7	94.9	95.4	95.7	96.1	96.1	96.1	96.1	96.1
≥300	7.2	72.4	81.6	85.2	85.5	88.9	92.5	93.8	95.8	96.5	97.1	97.7	97.8	97.8	97.8	97.8
≥200	7.2	72.4	81.6	85.2	85.5	88.9	92.5	93.8	95.9	96.7	97.4	98.4	98.4	98.4	98.4	98.4
≥100	7.2	72.4	81.6	85.2	85.5	88.9	92.5	93.8	95.9	96.7	97.5	98.5	99.0	99.2	99.2	99.2
≥0	7.2	72.4	81.6	85.2	85.5	88.9	92.5	93.8	95.9	96.7	97.5	98.5	99.0	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 93

GLOBAL CLIMATOLOGY BRANCH
AFETAC
FATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

577: ILDENHALL REF K
STATION NAME

4-87
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0-1730
HOURS LST

CEILING FEET	VISIBILITY: STATUTE MILES OR (HUNDREDS F METERS)															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO. CEILING																
≥20000	1.7	2.0	2.9	2.9	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0
≥18000	2.5	27.1	29.8	3.7	20.1	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
≥16000	2.5	27.2	29.9	3.1	20.2	31.0	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
≥14000	2.5	27.2	29.9	3.1	20.2	31.0	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
≥12000	2.5	27.2	29.9	3.1	20.2	31.0	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
≥10000	2.5	27.2	29.9	3.1	20.2	31.0	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
≥9000	2.5	27.2	29.9	3.1	20.2	31.0	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
≥8000	2.5	27.2	29.9	3.1	20.2	31.0	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
≥7000	2.5	27.2	29.9	3.1	20.2	31.0	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
≥6000	2.5	27.2	29.9	3.1	20.2	31.0	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
≥5000	2.5	27.2	29.9	3.1	20.2	31.0	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
≥4500	2.5	27.2	29.9	3.1	20.2	31.0	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
≥4000	2.5	27.2	29.9	3.1	20.2	31.0	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
≥3500	2.5	27.2	29.9	3.1	20.2	31.0	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
≥3000	2.5	27.2	29.9	3.1	20.2	31.0	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
≥2500	2.5	27.2	29.9	3.1	20.2	31.0	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
≥2000	2.5	27.2	29.9	3.1	20.2	31.0	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
≥1800	2.5	27.2	29.9	3.1	20.2	31.0	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
≥1600	2.5	27.2	29.9	3.1	20.2	31.0	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
≥1400	2.5	27.2	29.9	3.1	20.2	31.0	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
≥1200	2.5	27.2	29.9	3.1	20.2	31.0	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
≥1000	2.5	27.2	29.9	3.1	20.2	31.0	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
≥900	2.5	27.2	29.9	3.1	20.2	31.0	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
≥800	2.5	27.2	29.9	3.1	20.2	31.0	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
≥700	2.5	27.2	29.9	3.1	20.2	31.0	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
≥600	2.5	27.2	29.9	3.1	20.2	31.0	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
≥500	2.5	27.2	29.9	3.1	20.2	31.0	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
≥400	2.5	27.2	29.9	3.1	20.2	31.0	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
≥300	2.5	27.2	29.9	3.1	20.2	31.0	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
≥200	2.5	27.2	29.9	3.1	20.2	31.0	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
≥100	2.5	27.2	29.9	3.1	20.2	31.0	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
≥0	2.5	27.2	29.9	3.1	20.2	31.0	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 7-64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FEDERAL CLIMATOLOGY BRANCH
ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION NO. 71 ILDENHALL AFB TX
STATION NAME

4-67

YEARS

MOON

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0-2222
HOURS

CEILING FEET	VISIBILITY: STATUTE MILES															
	≥ 10	≥ 9	≥ 8	≥ 7	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64
NO. CEILING ≥ 20000	10.3	23.6	25.7	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1
≥ 18000	2.6	26.2	29.7	3.4	10.4	32.7	33.1	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
≥ 16000	2.6	26.2	29.7	3.4	10.4	32.7	33.1	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
≥ 14000	2.6	26.2	29.7	3.4	10.4	32.7	33.1	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
≥ 12000	2.6	26.2	29.7	3.4	10.4	32.7	33.1	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
≥ 10000	2.6	26.2	29.7	3.4	10.4	32.7	33.1	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
≥ 9000	2.6	26.2	29.7	3.4	10.4	32.7	33.1	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
≥ 8000	2.6	26.2	29.7	3.4	10.4	32.7	33.1	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
≥ 7000	2.6	26.2	29.7	3.4	10.4	32.7	33.1	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
≥ 6000	2.6	26.2	29.7	3.4	10.4	32.7	33.1	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
≥ 5000	2.6	26.2	29.7	3.4	10.4	32.7	33.1	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
≥ 4500	2.6	26.2	29.7	3.4	10.4	32.7	33.1	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
≥ 4000	2.6	26.2	29.7	3.4	10.4	32.7	33.1	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
≥ 3500	2.6	26.2	29.7	3.4	10.4	32.7	33.1	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
≥ 3000	2.6	26.2	29.7	3.4	10.4	32.7	33.1	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
≥ 2500	2.6	26.2	29.7	3.4	10.4	32.7	33.1	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
≥ 2000	2.6	26.2	29.7	3.4	10.4	32.7	33.1	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
≥ 1800	2.6	26.2	29.7	3.4	10.4	32.7	33.1	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
≥ 1500	2.6	26.2	29.7	3.4	10.4	32.7	33.1	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
≥ 1200	2.6	26.2	29.7	3.4	10.4	32.7	33.1	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
≥ 1000	2.6	26.2	29.7	3.4	10.4	32.7	33.1	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
≥ 900	2.6	26.2	29.7	3.4	10.4	32.7	33.1	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
≥ 800	2.6	26.2	29.7	3.4	10.4	32.7	33.1	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
≥ 700	2.6	26.2	29.7	3.4	10.4	32.7	33.1	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
≥ 600	2.6	26.2	29.7	3.4	10.4	32.7	33.1	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
≥ 500	2.6	26.2	29.7	3.4	10.4	32.7	33.1	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
≥ 400	2.6	26.2	29.7	3.4	10.4	32.7	33.1	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
≥ 300	2.6	26.2	29.7	3.4	10.4	32.7	33.1	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
≥ 200	2.6	26.2	29.7	3.4	10.4	32.7	33.1	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
≥ 100	2.6	26.2	29.7	3.4	10.4	32.7	33.1	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
≥ 0	2.6	26.2	29.7	3.4	10.4	32.7	33.1	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2

TOTAL NUMBER OF OBSERVATIONS 93

CENTRAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1977 ILDENHALL RAF K
STATION NAME

4-37

YEARS

JA
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

100-2320
HOURS

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
NO CEILING	24.0	25.7	28.6	29.2	29.4	31.1	32.1	33.1	33.2	33.2	33.3	33.4	33.9	33.9	34.3	34.3
≥ 20000	2.3	2.3	11.3	32.3	32.4	34.1	36.1	36.2	36.2	36.3	36.5	36.9	36.9	37.3	37.3	37.3
≥ 18000	2.6	28.6	31.6	32.6	32.7	3.4	36.5	36.5	36.6	36.6	36.7	36.8	37.2	37.2	37.6	37.6
≥ 16000	2.6	28.6	31.6	32.6	32.7	34.4	36.5	36.5	36.6	36.6	36.7	36.8	37.2	37.2	37.6	37.6
≥ 14000	2.9	28.4	31.6	32.6	32.7	34.4	36.5	36.5	36.6	36.6	36.7	36.8	37.2	37.2	37.6	37.6
≥ 12000	2.7	28.7	31.7	32.7	2.9	34.5	36.6	36.6	36.7	36.7	36.8	36.9	37.3	37.3	37.7	37.7
≥ 10000	2.4	27.4	32.5	33.4	33.5	35.3	37.4	37.4	37.5	37.5	37.6	37.7	38.2	38.2	38.6	38.6
≥ 9000	2.6	27.6	32.7	33.7	33.8	35.5	37.6	37.6	37.7	37.7	37.8	38.1	38.5	38.5	39.1	39.1
≥ 8000	2.4	33.3	37.1	39.1	38.2	37.9	42.0	42.0	42.2	42.2	42.3	42.5	42.9	42.9	43.5	43.5
≥ 7000	2.2	34.3	33.1	39.1	39.1	4.9	47.1	43.1	43.1	43.1	43.2	43.4	43.9	43.9	44.5	44.5
≥ 6000	2.2	34.4	33.3	39.2	39.4	41.1	43.2	43.2	43.3	43.3	43.4	43.7	44.1	44.1	44.7	44.7
≥ 5000	3.4	35.7	40.1	41.3	41.4	43.3	45.6	45.6	45.7	45.7	45.8	46.1	46.5	46.5	47.1	47.1
≥ 4500	3.5	4.1	45.1	46.2	46.3	49.4	5.6	57.9	52.9	50.9	51.0	51.2	51.6	51.6	52.3	52.3
≥ 4000	2.4	43.7	49.9	51.6	51.7	54.1	56.3	56.5	56.6	56.6	56.7	56.9	57.4	57.4	58.1	58.1
≥ 3500	4.4	46.7	4.0	56.7	56.3	58.8	61.3	61.5	61.6	61.7	61.8	62.1	62.6	62.6	63.2	63.2
≥ 3000	5.1	57.9	61.6	64.2	64.3	66.9	69.4	69.8	70.0	70.1	70.2	70.5	71.1	71.1	71.7	71.7
≥ 2500	3.1	55.9	65.5	69.1	68.2	7.8	73.3	73.9	74.1	74.1	74.2	74.5	75.1	75.1	7.7	7.7
≥ 2000	5.1	67.6	70.8	73.3	73.4	76.0	78.6	79.1	79.2	79.4	79.5	79.8	8.1	87.3	81.1	81.1
≥ 1800	5.9	61.4	71.7	74.3	74.4	77.1	79.6	80.0	80.2	80.3	80.4	80.8	81.3	81.3	81.9	81.9
≥ 1600	1.2	63.7	75.5	78.5	78.6	81.6	84.2	84.6	84.8	85.1	85.2	85.5	86.1	86.1	86.7	86.7
≥ 1400	2.7	65.4	78.5	81.7	81.8	85.1	87.6	88.1	88.3	88.5	88.6	88.9	89.5	89.5	9.1	9.1
≥ 1200	6.2	65.7	79.1	82.5	82.6	86.1	89.0	89.5	89.7	89.9	90.0	90.3	90.9	90.9	91.5	91.5
≥ 900	3.3	66.2	8.2	83.5	83.7	87.1	9.1	97.6	97.9	91.1	91.2	91.5	92.0	92.0	92.7	92.7
≥ 800	3.3	66.7	80.9	84.3	84.4	88.1	91.2	91.8	92.1	92.3	92.4	92.7	93.2	93.2	93.9	93.9
≥ 700	5.3	66.8	81.3	84.9	85.1	88.7	91.9	92.6	92.8	93.0	93.1	93.4	94.0	94.0	94.6	94.6
≥ 600	5.3	66.9	81.3	85.1	85.2	88.9	92.5	93.1	93.3	93.5	93.7	94.0	94.5	94.5	95.2	95.2
≥ 500	6.3	66.8	81.5	85.4	85.5	89.2	92.9	93.7	93.9	94.1	94.2	94.5	95.1	95.1	95.7	95.7
≥ 400	6.3	66.8	81.5	85.5	85.7	89.4	93.4	94.5	94.9	95.3	95.4	95.7	96.2	96.2	96.9	96.9
≥ 300	6.3	66.8	81.5	85.5	85.8	89.7	93.7	94.8	95.6	95.9	96.0	96.3	97.2	97.2	98.0	98.0
≥ 200	6.3	66.8	81.5	85.5	85.8	89.7	93.7	94.9	95.9	96.2	96.3	96.8	97.8	98.1	98.7	98.7
≥ 100	6.3	66.8	81.5	85.5	85.8	89.7	93.7	94.9	95.9	96.2	96.5	96.9	98.3	98.9	99.6	99.6
≥ 0	6.3	66.8	81.5	85.5	85.8	89.7	93.7	94.9	95.9	96.2	96.5	96.9	98.3	99.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 232

GLOBAL CLIMATOLOGY BRANCH
ETAC
A WEATHER SERVICE

CEILING VERSUS VISIBILITY

STATION 571 ELLENHALL PAF K

4-97

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURLY

CEILING FEET	VISIBILITY STATUTE MILES																CEILING METERS			
	≥ 10	≥ 9	≥ 8	≥ 7	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8
≥ 20000	17.3	22.0	25.5	26.1	26.2	27.4	28.3	28.5	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
≥ 18000	2.5	27.2	32.2	3.0	31.7	32.4	33.3	33.7	33.7	33.8	33.9	34.1	34.2	34.3	34.7	34.5	34.1	34.2	34.3	34.7
≥ 16000	2.6	27.3	3.3	31.7	32.5	33.4	33.5	33.8	33.9	33.9	34.1	34.2	34.3	34.7	34.5	34.1	34.2	34.3	34.7	34.7
≥ 14000	2.6	27.3	3.3	31.7	32.5	33.4	33.5	33.8	33.9	33.9	34.1	34.2	34.3	34.7	34.5	34.1	34.2	34.3	34.7	34.7
≥ 12000	2.7	2.5	32.4	31.2	31.3	32.6	33.6	33.6	34.0	34.1	34.2	34.3	34.4	34.8	34.5	34.1	34.2	34.3	34.7	34.8
≥ 10000	2.7	28.5	31.8	32.6	32.7	34.1	35.1	35.4	35.5	35.6	35.7	35.8	35.9	36.3	35.3	35.8	35.9	36.3	36.3	36.3
≥ 9000	2.6	28.4	32.8	33.6	33.7	35.2	36.2	36.3	36.6	36.7	36.8	37.1	37.1	37.5	36.5	37.1	37.1	37.5	37.5	37.5
≥ 8000	1.0	32.0	36.5	37.6	37.7	39.1	40.3	40.3	40.7	40.8	41.0	41.1	41.2	41.6	40.6	41.2	41.2	41.6	41.6	41.6
≥ 7000	32.0	33.6	37.5	38.5	38.6	40.0	41.3	41.3	41.7	41.7	41.8	41.9	42.1	42.2	42.6	41.6	42.2	42.2	42.6	42.6
≥ 6000	32.0	33.6	37.7	38.8	38.9	40.6	41.5	41.6	41.9	42.0	42.1	42.2	42.4	42.5	42.9	41.9	42.5	42.5	42.9	42.9
≥ 5000	3.2	35.2	39.4	40.5	40.7	42.5	43.5	43.5	43.9	44.0	44.1	44.2	44.3	44.4	44.8	43.8	44.4	44.4	44.8	44.8
≥ 4500	1.5	32.7	44.2	45.4	45.5	47.5	48.5	48.8	49.2	49.2	49.3	49.4	49.6	49.7	50.1	49.1	49.7	49.7	50.1	50.1
≥ 4000	42.0	44.0	47.4	50.3	51.7	53.2	54.4	54.6	55.1	55.2	55.3	55.4	55.6	55.7	56.1	55.1	55.7	55.7	56.1	56.1
≥ 3500	4.0	47.3	53.2	54.9	55.1	57.5	58.8	59.1	59.7	59.8	59.9	60.0	60.2	60.3	60.7	59.7	60.3	60.3	60.7	60.7
≥ 3000	1.1	52.7	57.3	61.0	61.5	64.0	65.3	65.7	66.3	66.4	66.5	66.6	66.8	66.9	67.4	66.4	67.0	67.0	67.4	67.4
≥ 2500	4.3	56.0	63.2	65.3	65.6	68.1	69.5	69.9	70.6	70.7	70.7	70.7	70.9	71.1	71.6	70.6	71.2	71.2	71.6	71.6
≥ 2000	5.1	61.7	67.1	71.5	71.8	74.5	76.1	76.5	77.3	77.4	77.5	77.6	77.8	78.0	78.4	77.4	78.0	78.0	78.4	78.4
≥ 1800	5.7	61.7	69.9	72.3	72.7	75.4	77.0	77.5	78.2	78.3	78.4	78.5	78.7	78.9	79.3	78.3	78.9	78.9	79.3	79.3
≥ 1500	2.3	64.4	73.6	76.3	76.6	79.7	81.5	82.1	82.8	82.9	83.0	83.2	83.4	83.5	83.9	82.9	83.5	83.5	83.9	83.9
≥ 1200	4.2	66.3	76.5	79.4	79.8	83.1	85.0	85.7	86.5	86.7	86.8	87.0	87.2	87.3	87.7	86.7	87.3	87.3	87.7	87.7
≥ 1000	4.7	67.0	77.6	80.5	81.0	84.4	86.5	87.3	88.1	88.3	88.4	88.6	88.7	88.9	89.4	88.4	89.0	89.0	89.4	89.4
≥ 900	4.3	67.3	78.1	81.1	81.5	85.0	87.2	88.0	88.9	89.1	89.2	89.4	89.5	89.6	90.2	89.2	89.8	89.8	90.2	90.2
≥ 800	5.1	67.6	78.7	81.8	82.3	85.9	88.2	89.1	90.0	90.2	90.3	90.4	90.6	90.7	91.4	90.4	91.0	91.0	91.4	91.4
≥ 700	5.4	68.0	79.5	82.8	83.3	87.0	89.4	90.3	91.4	91.6	91.8	92.0	92.1	92.3	92.8	91.8	92.4	92.4	92.8	92.8
≥ 600	5.5	63.1	79.8	83.2	83.7	87.7	90.3	91.4	92.5	92.8	93.0	93.2	93.5	93.6	94.0	93.0	93.6	93.6	94.0	94.0
≥ 500	5.5	69.1	80.1	83.7	84.2	88.4	91.2	92.3	93.6	93.8	94.0	94.3	94.5	94.7	95.2	94.3	94.9	94.9	95.2	95.2
≥ 400	5.6	8.1	80.2	83.8	84.4	88.7	91.9	93.2	94.5	94.9	95.1	95.3	95.6	95.8	96.3	95.3	95.9	95.9	96.3	96.3
≥ 300	5.6	68.1	8.2	83.9	84.5	88.8	92.2	93.6	95.4	95.8	96.2	96.5	96.9	97.0	97.5	96.5	97.1	97.1	97.5	97.5
≥ 200	5.6	68.1	8.2	83.9	84.5	88.8	92.2	93.6	95.4	95.8	96.2	96.5	96.9	97.0	97.5	96.5	97.1	97.1	97.5	97.5
≥ 100	5.6	68.1	8.2	83.9	84.5	88.8	92.2	93.6	95.4	95.8	96.2	96.5	96.9	97.0	97.5	96.5	97.1	97.1	97.5	97.5
≥ 0	5.6	68.1	8.2	83.9	84.5	88.8	92.2	93.6	95.4	95.8	96.2	96.5	96.9	97.0	97.5	96.5	97.1	97.1	97.5	97.5

TOTAL NUMBER OF OBSERVATIONS 7440

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1957
STATION

ILDENHALL RAE K
STATION NAME

4-87
YEAR

YEAR

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

220-2100
HOURS (LT)

CEILING FEET	VISIBILITY: STATUTE MILES															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥1/64
NO CEILING	2.4	22.3	25.7	26.8	27.5	27.9	28.2	28.4	28.5	28.6	28.7	28.8	28.9	29.0	29.1	29.2
≥ 20000	2.2	24.7	28.4	29.9	30.1	32.2	33.8	34.6	34.9	35.1	35.1	35.2	35.3	35.3	35.7	36.3
≥ 18000	2.2	24.7	28.4	29.9	30.1	32.2	33.8	34.6	34.9	35.1	35.1	35.2	35.3	35.3	35.7	36.3
≥ 16000	2.2	24.9	28.4	29.9	30.1	32.2	33.8	34.6	34.9	35.1	35.1	35.2	35.3	35.3	35.7	36.3
≥ 14000	2.2	24.7	28.4	29.9	30.1	32.2	33.8	34.6	34.9	35.1	35.1	35.2	35.3	35.3	35.7	36.3
≥ 12000	2.2	25.1	28.5	30.1	30.1	32.3	33.9	34.8	35.1	35.2	35.2	35.3	35.5	35.8	36.4	
≥ 10000	2.5	26.3	31.1	32.7	32.7	35.1	36.6	36.6	36.9	36.9	37.1	37.1	37.5	38.1		
≥ 9000	2.5	26.3	31.1	32.7	32.7	35.1	36.6	36.6	36.9	36.9	37.1	37.1	37.5	38.1		
≥ 8000	2.5	26.3	31.1	32.7	32.7	35.1	36.6	36.6	36.9	36.9	37.1	37.1	37.5	38.1		
≥ 7000	2.5	26.3	31.1	32.7	32.7	35.1	36.6	36.6	36.9	36.9	37.1	37.1	37.5	38.1		
≥ 6000	2.5	26.3	31.1	32.7	32.7	35.1	36.6	36.6	36.9	36.9	37.1	37.1	37.5	38.1		
≥ 5000	2.5	26.3	31.1	32.7	32.7	35.1	36.6	36.6	36.9	36.9	37.1	37.1	37.5	38.1		
≥ 4500	2.5	26.3	31.1	32.7	32.7	35.1	36.6	36.6	36.9	36.9	37.1	37.1	37.5	38.1		
≥ 4000	2.5	26.3	31.1	32.7	32.7	35.1	36.6	36.6	36.9	36.9	37.1	37.1	37.5	38.1		
≥ 3500	2.5	26.3	31.1	32.7	32.7	35.1	36.6	36.6	36.9	36.9	37.1	37.1	37.5	38.1		
≥ 3000	2.5	26.3	31.1	32.7	32.7	35.1	36.6	36.6	36.9	36.9	37.1	37.1	37.5	38.1		
≥ 2500	2.5	26.3	31.1	32.7	32.7	35.1	36.6	36.6	36.9	36.9	37.1	37.1	37.5	38.1		
≥ 2000	2.5	26.3	31.1	32.7	32.7	35.1	36.6	36.6	36.9	36.9	37.1	37.1	37.5	38.1		
≥ 1800	2.5	26.3	31.1	32.7	32.7	35.1	36.6	36.6	36.9	36.9	37.1	37.1	37.5	38.1		
≥ 1600	2.5	26.3	31.1	32.7	32.7	35.1	36.6	36.6	36.9	36.9	37.1	37.1	37.5	38.1		
≥ 1400	2.5	26.3	31.1	32.7	32.7	35.1	36.6	36.6	36.9	36.9	37.1	37.1	37.5	38.1		
≥ 1200	2.5	26.3	31.1	32.7	32.7	35.1	36.6	36.6	36.9	36.9	37.1	37.1	37.5	38.1		
≥ 1000	2.5	26.3	31.1	32.7	32.7	35.1	36.6	36.6	36.9	36.9	37.1	37.1	37.5	38.1		
≥ 900	2.5	26.3	31.1	32.7	32.7	35.1	36.6	36.6	36.9	36.9	37.1	37.1	37.5	38.1		
≥ 800	2.5	26.3	31.1	32.7	32.7	35.1	36.6	36.6	36.9	36.9	37.1	37.1	37.5	38.1		
≥ 700	2.5	26.3	31.1	32.7	32.7	35.1	36.6	36.6	36.9	36.9	37.1	37.1	37.5	38.1		
≥ 600	2.5	26.3	31.1	32.7	32.7	35.1	36.6	36.6	36.9	36.9	37.1	37.1	37.5	38.1		
≥ 500	2.5	26.3	31.1	32.7	32.7	35.1	36.6	36.6	36.9	36.9	37.1	37.1	37.5	38.1		
≥ 400	2.5	26.3	31.1	32.7	32.7	35.1	36.6	36.6	36.9	36.9	37.1	37.1	37.5	38.1		
≥ 300	2.5	26.3	31.1	32.7	32.7	35.1	36.6	36.6	36.9	36.9	37.1	37.1	37.5	38.1		
≥ 200	2.5	26.3	31.1	32.7	32.7	35.1	36.6	36.6	36.9	36.9	37.1	37.1	37.5	38.1		
≥ 100	2.5	26.3	31.1	32.7	32.7	35.1	36.6	36.6	36.9	36.9	37.1	37.1	37.5	38.1		
≥ 50	2.5	26.3	31.1	32.7	32.7	35.1	36.6	36.6	36.9	36.9	37.1	37.1	37.5	38.1		

TOTAL NUMBER OF OBSERVATIONS 346

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 METAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION: 10044 ALL PAF K

4-87

YES

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

122-7522

CEILING FEET	VISIBILITY: STATUTE MILES OR (IN PARENTS) METERS															
	20 3.2	20 3.2	20 3.2	20 3.2	20 3.2	20 3.2	20 3.2	20 3.2	20 3.2	20 3.2	20 3.2	20 3.2	20 3.2	20 3.2	20 3.2	20 3.2
20000	1.7	19.4	22.2	22.9	22.9	24.8	26.4	27.5	28.0	28.0	28.3	28.4	28.6	29.2	29.6	29.6
18000	1.4	2.0	24.9	25.9	26.0	27.8	29.4	30.6	31.1	31.1	31.3	31.4	31.7	32.3	32.6	32.6
16000	1.4	2.0	24.9	25.9	26.0	27.8	29.4	30.6	31.1	31.1	31.3	31.4	31.7	32.3	32.6	32.6
14000	1.4	2.0	24.9	25.9	26.0	27.8	29.4	30.6	31.1	31.1	31.3	31.4	31.7	32.3	32.6	32.6
12000	1.4	2.0	24.9	25.9	26.0	27.8	29.4	30.6	31.1	31.1	31.3	31.4	31.7	32.3	32.6	32.6
10000	2.0	22.0	27.2	28.1	28.3	29.8	31.7	32.9	33.3	33.3	33.6	33.7	33.9	34.5	34.9	34.9
8000	1.3	23.6	29.1	30.0	30.1	32.6	33.8	34.3	34.3	34.3	34.5	34.6	34.9	35.5	35.9	35.9
6000	2.4	27.1	32.0	33.1	33.2	34.9	36.8	37.9	38.4	38.4	38.7	38.8	39.0	39.6	40.0	40.0
4000	2.4	27.1	32.0	33.1	33.2	34.9	36.8	37.9	38.4	38.4	38.7	38.8	39.0	39.6	40.0	40.0
2000	2.4	27.1	32.0	33.1	33.2	34.9	36.8	37.9	38.4	38.4	38.7	38.8	39.0	39.6	40.0	40.0
1000	2.4	27.1	32.0	33.1	33.2	34.9	36.8	37.9	38.4	38.4	38.7	38.8	39.0	39.6	40.0	40.0
500	2.4	27.1	32.0	33.1	33.2	34.9	36.8	37.9	38.4	38.4	38.7	38.8	39.0	39.6	40.0	40.0
200	2.4	27.1	32.0	33.1	33.2	34.9	36.8	37.9	38.4	38.4	38.7	38.8	39.0	39.6	40.0	40.0
100	2.4	27.1	32.0	33.1	33.2	34.9	36.8	37.9	38.4	38.4	38.7	38.8	39.0	39.6	40.0	40.0
0	2.4	27.1	32.0	33.1	33.2	34.9	36.8	37.9	38.4	38.4	38.7	38.8	39.0	39.6	40.0	40.0

TOTAL NUMBER OF OBSERVATIONS 396

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CLIMATE CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/40

CEILING VERSUS VISIBILITY

STATION 10070 ILLDENHALL PAF K

4-87

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0-0800
 HOURS (EST)

CEILING FEET	VISIBILITY STATUTE MILES																OR (HUNDREDS OF METERS)			
	≥ 10	≥ 9	≥ 8	≥ 7	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ 2.5	≥ 2	≥ 1.5	≥ 1
≥ 20000	14.	15.5	19.8	19.6	19.7	20.8	22.6	23.2	23.5	23.8	23.9	23.9	24.2	24.3	24.9					
≥ 18000	16.	17.	21.7	22.8	22.9	24.6	26.6	27.2	27.5	27.9	28.	28.7	28.8	28.5	29.1					
≥ 16000	16.	17.7	21.7	22.8	22.9	24.6	26.6	27.2	27.5	27.9	28.	28.7	28.4	28.5	29.1					
≥ 14000	15.	16.7	21.7	22.8	22.9	24.6	26.6	27.2	27.5	27.9	28.	28.7	28.4	28.5	29.1					
≥ 12000	15.1	16.	22.1	23.7	23.2	24.8	26.8	27.4	27.8	28.1	28.3	28.7	28.6	28.7	29.3					
≥ 10000	15.3	20.1	24.5	25.5	25.7	27.3	29.3	29.9	30.3	30.6	30.7	31.7	31.7	31.2	31.8					
≥ 9000	15.1	20.4	24.3	26.0	26.1	27.9	29.8	30.4	30.7	31.1	31.2	31.2	31.6	31.7	32.3					
≥ 8000	21.	22.9	27.7	29.1	29.1	31.1	33.1	33.7	34.0	34.5	34.6	34.6	35.0	35.1	35.7					
≥ 7000	20.0	23.4	28.5	29.9	30.7	32.0	34.4	35.	35.3	35.8	35.9	35.9	36.4	36.5	37.1					
≥ 6000	20.1	23.5	28.6	30.0	30.1	32.2	34.5	35.1	35.5	35.9	36.1	36.1	36.5	36.6	37.2					
≥ 5000	20.	24.5	29.9	31.3	31.3	33.6	35.9	36.5	36.9	37.4	37.5	37.5	38.1	38.3	38.9					
≥ 4500	20.1	27.7	33.3	35.	35.1	37.5	39.8	40.7	41.	41.6	41.8	41.8	42.4	42.7	43.3					
≥ 4000	20.9	30.7	39.5	40.7	40.4	43.4	45.9	46.7	47.	47.6	47.9	47.9	48.5	48.7	49.3					
≥ 3500	30.2	35.5	42.4	44.2	44.3	47.5	50.0	50.9	51.2	51.8	52.4	52.4	53.	53.2	53.8					
≥ 3000	30.3	34.7	46.3	48.3	48.5	52.	54.6	55.4	55.8	56.5	57.1	57.1	57.7	57.9	58.5					
≥ 2500	40.8	42.3	50.5	52.7	52.8	56.6	59.3	60.7	60.5	61.2	61.8	61.8	62.4	62.6	63.2					
≥ 2000	43.	46.3	55.8	58.9	59.0	63.4	66.5	67.5	67.8	68.6	69.1	69.1	69.7	70.0	70.6					
≥ 1800	40.2	46.7	56.1	59.2	59.3	63.7	66.9	67.8	68.2	68.9	69.5	69.5	70.1	70.3	70.9					
≥ 1500	40.1	48.7	59.1	62.3	62.4	67.4	70.8	72.	72.7	73.4	74.	74.1	74.7	74.9	75.5					
≥ 1200	40.3	48.7	59.9	63.1	63.4	69.6	72.5	73.8	74.8	75.5	76.1	76.2	77.	77.2	77.8					
≥ 1000	45.	49.6	60.9	64.2	64.4	70.2	74.5	75.8	76.8	77.5	78.1	78.3	79.0	79.2	79.8					
≥ 900	46.	49.6	61.3	64.7	64.9	70.7	75.3	76.6	77.8	78.5	79.1	79.2	79.9	80.1	80.7					
≥ 800	40.	50.9	63.0	66.4	66.7	72.8	77.7	79.2	80.6	81.3	81.9	82.	82.7	83.	83.6					
≥ 700	40.1	50.9	63.4	67.5	67.8	74.7	79.8	81.4	83.0	83.7	84.3	84.5	85.2	85.5	86.1					
≥ 600	40.3	51.2	63.7	67.8	68.2	75.9	81.1	82.7	84.5	85.2	85.8	86.1	86.8	87.0	87.6					
≥ 500	40.	51.2	63.9	68.2	68.6	76.7	83.1	84.8	86.6	87.4	87.9	88.3	89.	89.2	89.8					
≥ 400	40.3	51.2	63.9	68.3	68.9	77.3	84.	85.9	88.3	89.2	89.8	90.4	91.1	91.4	92.2					
≥ 300	40.3	51.2	63.9	68.3	68.9	77.3	84.5	86.3	89.	90.0	90.7	91.3	92.7	93.5	95.3					
≥ 200	40.3	51.2	63.9	68.3	68.9	77.4	84.6	86.5	89.2	90.2	91.	91.6	93.5	94.9	97.					
≥ 100	40.3	51.2	63.9	68.3	68.9	77.4	84.6	86.5	89.2	90.2	91.0	91.6	93.6	95.6	99.4					
≥ 50	40.3	51.2	63.9	68.3	68.9	77.4	84.6	86.5	89.2	90.2	91.	91.6	93.6	95.6	100.0					

TOTAL NUMBER OF OBSERVATIONS 885

GLOBAL CLIMATOLOGY BRANCH
ETAC
A WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION ILOENHALL PAF K
STATION NAME

-8°

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1999-1999
HOURS 151

CEILING FEET	VISIBILITY: STATUTE MILES																OR (HUNDREDS OF METERS)			
	≥10 10	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8
NO CEILING	1.5	14.1	18.1	19.3	19.5	0.8	21.1	22.4	22.9	22.9	23.2	23.6	23.8	23.9	24.1					
≥ 20000	1.1	17.4	21.6	23.2	23.4	25.3	26.6	27.3	27.7	27.7	27.9	28.4	28.5	28.7	29.1					
≥ 18000	1.1	17.4	21.6	23.2	23.4	25.3	26.6	27.3	27.7	27.7	27.9	28.4	28.5	28.7	29.1					
≥ 16000	1.1	17.4	21.6	23.2	23.4	25.3	26.6	27.3	27.7	27.7	27.9	28.4	28.5	28.7	29.1					
≥ 14000	1.1	17.4	21.6	23.2	23.4	25.3	26.6	27.3	27.7	27.7	27.9	28.4	28.5	28.7	29.1					
≥ 12000	1.1	17.4	21.6	23.2	23.4	25.3	26.6	27.3	27.7	27.7	27.9	28.4	28.5	28.7	29.1					
≥ 10000	1.1	17.4	21.6	23.2	23.4	25.3	26.6	27.3	27.7	27.7	27.9	28.4	28.5	28.7	29.1					
≥ 9000	1.1	17.4	21.6	23.2	23.4	25.3	26.6	27.3	27.7	27.7	27.9	28.4	28.5	28.7	29.1					
≥ 8000	1.1	17.4	21.6	23.2	23.4	25.3	26.6	27.3	27.7	27.7	27.9	28.4	28.5	28.7	29.1					
≥ 7000	1.1	17.4	21.6	23.2	23.4	25.3	26.6	27.3	27.7	27.7	27.9	28.4	28.5	28.7	29.1					
≥ 6000	1.1	17.4	21.6	23.2	23.4	25.3	26.6	27.3	27.7	27.7	27.9	28.4	28.5	28.7	29.1					
≥ 5000	1.1	17.4	21.6	23.2	23.4	25.3	26.6	27.3	27.7	27.7	27.9	28.4	28.5	28.7	29.1					
≥ 4500	1.1	17.4	21.6	23.2	23.4	25.3	26.6	27.3	27.7	27.7	27.9	28.4	28.5	28.7	29.1					
≥ 4000	1.1	17.4	21.6	23.2	23.4	25.3	26.6	27.3	27.7	27.7	27.9	28.4	28.5	28.7	29.1					
≥ 3500	1.1	17.4	21.6	23.2	23.4	25.3	26.6	27.3	27.7	27.7	27.9	28.4	28.5	28.7	29.1					
≥ 3000	1.1	17.4	21.6	23.2	23.4	25.3	26.6	27.3	27.7	27.7	27.9	28.4	28.5	28.7	29.1					
≥ 2500	1.1	17.4	21.6	23.2	23.4	25.3	26.6	27.3	27.7	27.7	27.9	28.4	28.5	28.7	29.1					
≥ 2000	1.1	17.4	21.6	23.2	23.4	25.3	26.6	27.3	27.7	27.7	27.9	28.4	28.5	28.7	29.1					
≥ 1800	1.1	17.4	21.6	23.2	23.4	25.3	26.6	27.3	27.7	27.7	27.9	28.4	28.5	28.7	29.1					
≥ 1600	1.1	17.4	21.6	23.2	23.4	25.3	26.6	27.3	27.7	27.7	27.9	28.4	28.5	28.7	29.1					
≥ 1400	1.1	17.4	21.6	23.2	23.4	25.3	26.6	27.3	27.7	27.7	27.9	28.4	28.5	28.7	29.1					
≥ 1200	1.1	17.4	21.6	23.2	23.4	25.3	26.6	27.3	27.7	27.7	27.9	28.4	28.5	28.7	29.1					
≥ 1000	1.1	17.4	21.6	23.2	23.4	25.3	26.6	27.3	27.7	27.7	27.9	28.4	28.5	28.7	29.1					
≥ 900	1.1	17.4	21.6	23.2	23.4	25.3	26.6	27.3	27.7	27.7	27.9	28.4	28.5	28.7	29.1					
≥ 800	1.1	17.4	21.6	23.2	23.4	25.3	26.6	27.3	27.7	27.7	27.9	28.4	28.5	28.7	29.1					
≥ 700	1.1	17.4	21.6	23.2	23.4	25.3	26.6	27.3	27.7	27.7	27.9	28.4	28.5	28.7	29.1					
≥ 600	1.1	17.4	21.6	23.2	23.4	25.3	26.6	27.3	27.7	27.7	27.9	28.4	28.5	28.7	29.1					
≥ 500	1.1	17.4	21.6	23.2	23.4	25.3	26.6	27.3	27.7	27.7	27.9	28.4	28.5	28.7	29.1					
≥ 400	1.1	17.4	21.6	23.2	23.4	25.3	26.6	27.3	27.7	27.7	27.9	28.4	28.5	28.7	29.1					
≥ 300	1.1	17.4	21.6	23.2	23.4	25.3	26.6	27.3	27.7	27.7	27.9	28.4	28.5	28.7	29.1					
≥ 200	1.1	17.4	21.6	23.2	23.4	25.3	26.6	27.3	27.7	27.7	27.9	28.4	28.5	28.7	29.1					
≥ 100	1.1	17.4	21.6	23.2	23.4	25.3	26.6	27.3	27.7	27.7	27.9	28.4	28.5	28.7	29.1					
≥ 0	1.1	17.4	21.6	23.2	23.4	25.3	26.6	27.3	27.7	27.7	27.9	28.4	28.5	28.7	29.1					

TOTAL NUMBER OF OBSERVATIONS 896

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GENERAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION: WILDENHALL RAF K

14-67

YEAR

FEB

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1 0-1400
HOURS LST

CEILING FEET	VISIBILITY: STATUTE MILES OR (HUNDREDS OF METERS)															
	210 210	200 200	25 25	24 24	23 23	22 22	21 21	20 20	19 19	18 18	17 17	16 16	15 15	14 14	13 13	12 12
NO CEILING	1.1	14.4	18.1	19.7	19.5	21.3	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9
≥ 20000	1.1	22.3	25.3	26.4	26.6	27.9	28.4	28.5	28.7	28.7	28.8	29.1	29.7	29.7	29.7	29.7
≥ 18000	1.1	22.3	25.3	26.4	26.6	27.9	28.4	28.5	28.7	28.7	28.8	29.1	29.7	29.7	29.7	29.7
≥ 16000	1.1	22.3	25.3	26.4	26.6	27.9	28.4	28.5	28.7	28.7	28.8	29.1	29.7	29.7	29.7	29.7
≥ 14000	1.1	22.3	25.3	26.4	26.6	27.9	28.4	28.5	28.7	28.7	28.8	29.1	29.7	29.7	29.7	29.7
≥ 12000	1.1	22.3	25.3	26.4	26.6	27.9	28.4	28.5	28.7	28.7	28.8	29.1	29.7	29.7	29.7	29.7
≥ 10000	1.3	22.5	27.4	28.7	29.2	31.3	31.7	31.9	31.1	31.1	31.2	31.3	31.3	31.3	31.3	31.3
≥ 9000	2.1	23.5	28.5	29.8	30.3	31.3	31.8	31.9	32.2	32.2	32.3	32.4	32.4	32.4	32.4	32.4
≥ 8000	2.5	26.7	31.8	33.1	33.6	34.1	34.1	35.2	35.5	35.5	35.6	35.7	35.7	35.7	35.7	35.7
≥ 7000	2.7	27.9	33.1	34.6	35.1	36.2	36.6	36.9	37.0	37.0	37.1	37.2	37.2	37.2	37.2	37.2
≥ 6000	2.7	27.9	33.1	34.6	35.1	36.2	36.6	36.9	37.0	37.0	37.1	37.2	37.2	37.2	37.2	37.2
≥ 5000	3.1	32.9	38.3	39.7	40.1	41.2	41.6	42.8	43.1	43.1	43.3	43.4	43.4	43.4	43.4	43.4
≥ 4500	3.1	32.9	38.3	39.7	40.1	41.2	41.6	42.8	43.1	43.1	43.3	43.4	43.4	43.4	43.4	43.4
≥ 4000	3.1	32.9	38.3	39.7	40.1	41.2	41.6	42.8	43.1	43.1	43.3	43.4	43.4	43.4	43.4	43.4
≥ 3500	3.1	32.9	38.3	39.7	40.1	41.2	41.6	42.8	43.1	43.1	43.3	43.4	43.4	43.4	43.4	43.4
≥ 3000	3.1	32.9	38.3	39.7	40.1	41.2	41.6	42.8	43.1	43.1	43.3	43.4	43.4	43.4	43.4	43.4
≥ 2500	3.1	32.9	38.3	39.7	40.1	41.2	41.6	42.8	43.1	43.1	43.3	43.4	43.4	43.4	43.4	43.4
≥ 2000	3.2	35.7	41.4	42.8	43.3	44.5	44.9	46.1	46.4	46.4	46.5	46.6	46.6	46.6	46.6	46.6
≥ 1800	3.4	35.7	41.4	42.8	43.3	44.5	44.9	46.1	46.4	46.4	46.5	46.6	46.6	46.6	46.6	46.6
≥ 1500	3.4	35.7	41.4	42.8	43.3	44.5	44.9	46.1	46.4	46.4	46.5	46.6	46.6	46.6	46.6	46.6
≥ 1200	3.4	35.7	41.4	42.8	43.3	44.5	44.9	46.1	46.4	46.4	46.5	46.6	46.6	46.6	46.6	46.6
≥ 1000	3.4	35.7	41.4	42.8	43.3	44.5	44.9	46.1	46.4	46.4	46.5	46.6	46.6	46.6	46.6	46.6
≥ 900	3.4	35.7	41.4	42.8	43.3	44.5	44.9	46.1	46.4	46.4	46.5	46.6	46.6	46.6	46.6	46.6
≥ 800	3.4	35.7	41.4	42.8	43.3	44.5	44.9	46.1	46.4	46.4	46.5	46.6	46.6	46.6	46.6	46.6
≥ 700	3.4	35.7	41.4	42.8	43.3	44.5	44.9	46.1	46.4	46.4	46.5	46.6	46.6	46.6	46.6	46.6
≥ 600	3.4	35.7	41.4	42.8	43.3	44.5	44.9	46.1	46.4	46.4	46.5	46.6	46.6	46.6	46.6	46.6
≥ 500	3.4	35.7	41.4	42.8	43.3	44.5	44.9	46.1	46.4	46.4	46.5	46.6	46.6	46.6	46.6	46.6
≥ 400	3.4	35.7	41.4	42.8	43.3	44.5	44.9	46.1	46.4	46.4	46.5	46.6	46.6	46.6	46.6	46.6
≥ 300	3.4	35.7	41.4	42.8	43.3	44.5	44.9	46.1	46.4	46.4	46.5	46.6	46.6	46.6	46.6	46.6
≥ 200	3.4	35.7	41.4	42.8	43.3	44.5	44.9	46.1	46.4	46.4	46.5	46.6	46.6	46.6	46.6	46.6
≥ 100	3.4	35.7	41.4	42.8	43.3	44.5	44.9	46.1	46.4	46.4	46.5	46.6	46.6	46.6	46.6	46.6
≥ 0	3.4	35.7	41.4	42.8	43.3	44.5	44.9	46.1	46.4	46.4	46.5	46.6	46.6	46.6	46.6	46.6

TOTAL NUMBER OF OBSERVATIONS 846

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
ETAC
AIR FATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION: ILDEWALL RAF K
STATION NAME

4-81

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2-722
HOURS

CEILING FEET	VISIBILITY STATUTE MILES																100 (HUNDREDS) METERS													
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥1/64	≥1/128	≥1/256	≥1/512	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥1/64	≥1/128
≥20000	16.1	17.7	20.3	21.6	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	
≥18000	21.1	22.9	26.6	27.1	27.8	29.0	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	
≥16000	21.1	23.2	26.8	27.3	28.0	29.2	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	
≥14000	21.1	23.2	26.8	27.3	28.0	29.2	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	
≥12000	21.1	23.4	27.1	27.5	28.3	29.4	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	
≥10000	21.1	25.5	29.3	29.9	30.6	31.8	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	
≥9000	21.1	26.1	30.1	30.7	31.4	32.6	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	
≥8000	21.1	29.1	33.8	34.4	35.1	36.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	
≥7000	21.1	30.1	34.4	35.1	35.7	36.9	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	
≥6000	21.1	30.1	34.4	35.1	35.7	36.9	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	
≥5000	21.1	31.1	35.9	36.5	37.2	38.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	
≥4500	21.1	36.1	40.9	42.0	42.7	44.1	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	
≥4000	21.1	41.1	46.7	47.8	48.5	50.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	
≥3500	21.1	44.1	50.9	52.0	52.7	54.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	
≥3000	21.1	48.1	57.6	58.7	59.5	62.1	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	
≥2500	21.1	53.1	61.1	62.2	62.9	65.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	
≥2000	21.1	57.1	66.2	67.4	68.1	71.5	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	
≥1800	21.1	58.1	67.8	68.8	69.5	72.9	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	
≥1500	21.1	61.1	72.7	74.0	74.7	77.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	
≥1200	21.1	63.1	75.3	77.4	78.1	82.4	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	
≥1000	21.1	64.1	76.7	79.1	79.7	84.9	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	
≥900	21.1	64.1	76.7	79.1	79.8	85.2	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	
≥800	21.1	64.1	76.7	79.1	79.8	85.2	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	
≥700	21.1	64.1	76.7	79.1	79.8	85.2	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	
≥600	21.1	64.1	76.7	79.1	79.8	85.2	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	
≥500	21.1	64.1	76.7	79.1	79.8	85.2	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	
≥400	21.1	64.1	76.7	79.1	79.8	85.2	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	
≥300	21.1	64.1	76.7	79.1	79.8	85.2	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	
≥200	21.1	64.1	76.7	79.1	79.8	85.2	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	
≥100	21.1	64.1	76.7	79.1	79.8	85.2	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	
≥0	21.1	64.1	76.7	79.1	79.8	85.2	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION: ILDENHALL DAF K
STATION NAME:

4-87

YEARS

PER MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0-2.00
HOURS (EST)

CEILING FEET	VISIBILITY: STATUTE MILES															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	2.0	21.4	26.5	26.6	27.0	28.4	29.1	29.2	29.6	29.6	29.6	29.7	29.7	29.7	29.7	29.9
≥20000	2.0	24.2	30.9	31.7	31.3	33.5	34.2	34.3	34.6	34.6	34.6	34.8	34.8	34.9	34.8	34.9
≥18000	2.0	24.3	31.0	31.1	31.4	33.6	34.3	34.4	34.8	34.8	34.8	34.9	34.9	34.9	34.9	35.1
≥16000	2.2	24.3	31.0	31.1	31.4	33.6	34.3	34.4	34.8	34.8	34.8	34.9	34.9	34.9	34.9	35.1
≥14000	2.2	24.3	31.0	31.1	31.4	33.6	34.3	34.4	34.8	34.8	34.8	34.9	34.9	34.9	34.9	35.1
≥12000	2.4	24.6	31.6	31.7	32.7	34.2	34.9	35.0	35.3	35.3	35.3	35.5	35.5	35.5	35.5	35.6
≥10000	2.5	25.2	32.2	32.3	32.6	34.9	35.6	35.7	36.1	36.1	36.2	36.2	36.2	36.2	36.2	36.3
≥9000	2.5	25.5	32.9	33.0	33.3	35.6	36.3	36.4	36.8	36.8	36.9	36.9	36.9	36.9	36.9	37.1
≥8000	2.6	26.0	33.1	33.2	33.5	35.9	36.6	36.7	37.1	37.1	37.2	37.2	37.2	37.2	37.2	37.4
≥7000	2.8	29.0	37.7	37.5	37.8	4.4	41.1	41.3	41.6	41.6	41.7	41.7	41.7	41.7	41.7	42.0
≥6000	2.7	29.1	37.1	37.6	37.9	4.5	41.3	41.4	41.7	41.7	41.8	41.8	41.8	41.8	41.8	42.1
≥5000	2.2	30.6	37.0	39.5	39.8	42.4	43.4	43.5	43.9	43.9	44.0	44.2	44.2	44.2	44.2	44.4
≥4500	2.4	37.0	42.0	42.6	43.0	46.0	46.9	47.7	47.6	47.6	47.8	48.0	48.0	48.0	48.0	48.2
≥4000	3.5	37.0	46.5	47.0	47.5	50.6	51.5	52.0	52.4	52.4	52.5	52.7	52.7	52.7	52.7	53.0
≥3500	2.4	47.1	49.9	5.8	51.3	54.6	56.1	56.9	57.4	57.4	57.6	57.8	57.8	57.8	57.8	58.0
≥3000	2.0	43.7	55.0	56.7	56.5	6.0	61.8	62.5	63.1	63.1	63.2	63.5	63.5	63.5	63.5	63.7
≥2500	4.5	47.8	60.2	61.7	62.2	65.7	67.5	68.2	68.8	68.8	68.9	69.1	69.1	69.1	69.1	69.4
≥2000	4.0	51.3	65.6	67.7	68.2	72.0	73.9	74.7	75.4	75.4	75.5	75.8	75.8	75.8	75.8	76.1
≥1800	4.5	51.7	66.2	69.3	68.8	72.7	74.6	75.4	76.1	76.1	76.2	76.5	76.5	76.5	76.5	76.7
≥1500	5.1	54.6	71.4	74.8	75.3	79.3	81.4	82.3	83.0	83.0	83.1	83.3	83.3	83.3	83.3	83.6
≥1200	2.5	55.6	73.5	77.4	77.9	82.2	84.6	85.7	86.5	86.5	86.6	86.8	87.0	87.1	87.1	87.4
≥1000	2.6	56.0	74.5	79.5	79.0	83.8	86.4	87.6	88.5	88.5	88.7	88.9	89.1	89.2	89.2	89.5
≥900	5.2	56.3	74.7	79.0	79.4	84.6	87.2	88.4	89.5	89.5	89.6	89.8	9.1	90.2	90.2	90.4
≥800	5.2	56.3	74.8	79.3	79.8	85.1	88.1	89.6	90.9	91.0	91.3	91.5	91.5	91.6	91.6	91.8
≥700	5.2	56.3	75.1	79.9	8.4	86.4	89.6	9.1	92.4	92.6	92.8	93.0	93.1	93.1	93.1	93.4
≥600	5.2	56.3	75.1	79.9	8.4	86.5	89.5	92.8	94.3	94.4	94.7	94.9	95.0	95.0	95.0	95.3
≥500	5.2	56.3	75.3	80.3	80.7	86.9	91.0	94.0	95.9	96.0	96.2	96.5	96.6	96.6	96.6	96.8
≥400	5.0	56.4	75.4	80.4	80.9	87.1	92.1	95.0	97.5	97.6	97.9	98.1	98.2	98.2	98.2	98.5
≥300	5.0	56.4	75.4	8.4	80.9	87.1	92.3	95.3	98.2	98.5	98.7	98.9	99.1	99.1	99.1	99.3
≥200	5.0	56.4	75.4	8.4	80.9	87.1	92.3	95.3	98.2	98.5	98.8	99.1	99.4	99.4	99.4	99.6
≥100	5.0	56.4	75.4	8.4	80.9	87.1	92.3	95.3	98.2	98.5	98.8	99.1	99.4	99.6	100.0	100.0
≥0	5.0	56.4	75.4	80.4	80.9	87.1	92.3	95.3	98.2	98.5	98.8	99.1	99.4	99.6	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 346

GENERAL CLIMATOLOGY BRANCH
METAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION: WILDENHALL RAF K

4-87

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

10-2300
HOURS (LT)

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 10	≥6 6	≥5 5	≥4 4	≥3 3	≥2.5 2.5	≥2 2	≥1.5 1.5	≥1 1	≥0.5 0.5	≥0.25 0.25	≥0.1 0.1	≥0.05 0.05	≥0.025 0.025	≥0.01 0.01	≥0.005 0.005
NO. FILING	22.0	24.3	30.9	32.0	32.7	33.8	34.9	34.9	35.5	35.5	35.5	35.7	35.9	36.1	36.5	
≥20000	2.1	27.1	34.3	35.7	35.7	37.7	38.8	38.8	39.4	39.4	39.4	39.6	39.8	4.0	40.4	
≥18000	2.1	27.1	34.3	35.7	35.7	37.7	38.8	38.8	39.4	39.4	39.4	39.6	39.8	4.0	40.4	
≥16000	2.1	27.1	34.3	35.7	35.7	37.7	38.8	38.8	39.4	39.4	39.4	39.6	39.8	4.0	40.4	
≥14000	2.4	27.4	34.6	36.1	36.1	38.1	39.1	39.1	39.7	39.7	39.7	40.0	40.2	40.3	40.8	
≥12000	2.4	27.4	34.6	36.1	36.1	38.1	39.1	39.1	39.7	39.7	39.7	40.0	40.2	40.3	40.8	
≥10000	2.4	27.4	34.6	36.1	36.1	38.1	39.1	39.1	39.7	39.7	39.7	40.0	40.2	40.3	40.8	
≥8000	2.4	27.4	34.6	36.1	36.1	38.1	39.1	39.1	39.7	39.7	39.7	40.0	40.2	40.3	40.8	
≥6000	2.4	27.4	34.6	36.1	36.1	38.1	39.1	39.1	39.7	39.7	39.7	40.0	40.2	40.3	40.8	
≥5000	2.4	27.4	34.6	36.1	36.1	38.1	39.1	39.1	39.7	39.7	39.7	40.0	40.2	40.3	40.8	
≥4500	2.4	27.4	34.6	36.1	36.1	38.1	39.1	39.1	39.7	39.7	39.7	40.0	40.2	40.3	40.8	
≥4000	2.4	27.4	34.6	36.1	36.1	38.1	39.1	39.1	39.7	39.7	39.7	40.0	40.2	40.3	40.8	
≥3500	2.4	27.4	34.6	36.1	36.1	38.1	39.1	39.1	39.7	39.7	39.7	40.0	40.2	40.3	40.8	
≥3000	2.4	27.4	34.6	36.1	36.1	38.1	39.1	39.1	39.7	39.7	39.7	40.0	40.2	40.3	40.8	
≥2500	2.4	27.4	34.6	36.1	36.1	38.1	39.1	39.1	39.7	39.7	39.7	40.0	40.2	40.3	40.8	
≥2000	2.4	27.4	34.6	36.1	36.1	38.1	39.1	39.1	39.7	39.7	39.7	40.0	40.2	40.3	40.8	
≥1800	2.4	27.4	34.6	36.1	36.1	38.1	39.1	39.1	39.7	39.7	39.7	40.0	40.2	40.3	40.8	
≥1500	2.4	27.4	34.6	36.1	36.1	38.1	39.1	39.1	39.7	39.7	39.7	40.0	40.2	40.3	40.8	
≥1200	2.4	27.4	34.6	36.1	36.1	38.1	39.1	39.1	39.7	39.7	39.7	40.0	40.2	40.3	40.8	
≥1000	2.4	27.4	34.6	36.1	36.1	38.1	39.1	39.1	39.7	39.7	39.7	40.0	40.2	40.3	40.8	
≥900	2.4	27.4	34.6	36.1	36.1	38.1	39.1	39.1	39.7	39.7	39.7	40.0	40.2	40.3	40.8	
≥800	2.4	27.4	34.6	36.1	36.1	38.1	39.1	39.1	39.7	39.7	39.7	40.0	40.2	40.3	40.8	
≥700	2.4	27.4	34.6	36.1	36.1	38.1	39.1	39.1	39.7	39.7	39.7	40.0	40.2	40.3	40.8	
≥600	2.4	27.4	34.6	36.1	36.1	38.1	39.1	39.1	39.7	39.7	39.7	40.0	40.2	40.3	40.8	
≥500	2.4	27.4	34.6	36.1	36.1	38.1	39.1	39.1	39.7	39.7	39.7	40.0	40.2	40.3	40.8	
≥400	2.4	27.4	34.6	36.1	36.1	38.1	39.1	39.1	39.7	39.7	39.7	40.0	40.2	40.3	40.8	
≥300	2.4	27.4	34.6	36.1	36.1	38.1	39.1	39.1	39.7	39.7	39.7	40.0	40.2	40.3	40.8	
≥200	2.4	27.4	34.6	36.1	36.1	38.1	39.1	39.1	39.7	39.7	39.7	40.0	40.2	40.3	40.8	
≥100	2.4	27.4	34.6	36.1	36.1	38.1	39.1	39.1	39.7	39.7	39.7	40.0	40.2	40.3	40.8	
≥0	2.4	27.4	34.6	36.1	36.1	38.1	39.1	39.1	39.7	39.7	39.7	40.0	40.2	40.3	40.8	

TOTAL NUMBER OF OBSERVATIONS 896

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
15-7

STATION NAME
ILDENHALL RAF UK

YEARS
14-87

PER
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11
HOURS 1-11

CEILING FEET	VISIBILITY: STATUTE MILES															
	≥10 10	≥9 9	≥8 8	≥7 7	≥6 6	≥5 5	≥4 4	≥3 3	≥2 2	≥1 1	≥1/2 1/2	≥1/4 1/4	≥1/8 1/8	≥1/16 1/16	≥1/32 1/32	≥0 0
NO. CEILING																
≥ 20000	1.5	19.4	27.6	23.3	23.6	24.9	24.1	26.5	26.9	26.9	27.0	27.1	27.3	27.4	27.7	
≥ 18000	2.1	21.9	26.7	27.7	28.1	29.7	31.9	31.4	31.7	31.8	31.9	32.0	32.2	32.4	32.7	
≥ 16000	2.5	22.3	26.8	27.8	28.0	29.7	31.1	31.4	31.8	31.9	32.0	32.1	32.2	32.4	32.7	
≥ 14000	2.5	22.3	26.8	27.8	28.0	29.7	31.1	31.4	31.8	31.9	32.0	32.1	32.2	32.4	32.7	
≥ 12000	2.5	22.3	26.8	27.8	28.0	29.7	31.1	31.4	31.8	31.9	32.0	32.1	32.2	32.4	32.7	
≥ 10000	2.2	23.7	28.7	29.9	31.1	31.8	33.1	33.5	33.9	34.0	34.1	34.2	34.3	34.5	34.8	
≥ 9000	2.3	24.3	29.5	31.7	32.9	32.7	33.9	34.4	34.7	34.8	34.9	35.1	35.2	35.3	35.6	
≥ 8000	2.4	27.1	32.7	34.3	34.3	36.2	37.5	37.7	38.3	38.3	38.5	38.6	38.7	38.9	39.2	
≥ 7000	2.0	27.1	33.3	34.7	35.0	37.0	38.4	38.8	39.2	39.3	39.4	39.6	39.7	39.9	40.2	
≥ 6000	2.2	27.8	33.5	34.7	35.2	37.2	38.5	39.7	39.3	39.4	39.6	39.7	39.9	40.1	40.4	
≥ 5000	2.3	29.1	35.1	36.4	36.7	38.7	40.1	40.6	41.0	41.1	41.2	41.4	41.6	41.8	42.1	
≥ 4500	0.2	32.1	33.4	40.1	40.4	42.7	44.2	44.8	45.2	45.3	45.4	45.6	45.8	46.0	46.3	
≥ 4000	3.1	36.2	43.0	44.8	45.2	47.8	49.4	50.1	50.5	50.7	50.8	51.0	51.2	51.4	51.7	
≥ 3500	3.1	39.9	46.1	48.8	49.2	52.0	53.8	54.5	55.0	55.2	55.4	55.6	55.8	56.0	56.3	
≥ 3000	1.2	43.6	51.7	53.8	54.1	57.2	59.3	60.1	60.6	60.8	61.1	61.3	61.5	61.7	62.0	
≥ 2500	4.4	46.3	55.9	58.2	58.5	61.8	63.9	64.8	65.4	65.5	65.8	66.0	66.2	66.4	66.7	
≥ 2000	4.1	50.9	61.2	63.9	64.3	68.1	70.4	71.3	72.1	72.2	72.5	72.7	72.9	73.1	73.4	
≥ 1800	4.6	51.4	62.0	64.7	65.1	69.9	71.3	72.2	72.9	73.1	73.3	73.6	73.7	73.9	74.2	
≥ 1500	5.1	3.9	65.3	69.0	69.5	73.5	76.2	77.2	78.0	78.2	78.5	78.7	78.9	79.1	79.4	
≥ 1200	1.1	55.1	67.9	71.5	71.9	75.8	79.4	80.5	81.5	81.7	82.1	82.4	82.6	82.8	83.1	
≥ 1000	2.4	55.8	69.1	72.8	73.3	78.3	81.6	82.8	84.0	84.2	84.6	84.9	85.1	85.3	85.7	
≥ 900	2.6	56.1	69.6	73.3	73.8	79.1	82.4	83.6	84.8	85.1	85.4	85.7	86.0	86.2	86.5	
≥ 800	52.7	56.4	70.4	74.3	74.8	80.1	83.7	85.1	86.4	86.7	87.1	87.4	87.6	87.8	88.1	
≥ 700	3.1	56.6	70.8	75.0	75.6	81.3	85.3	86.7	88.3	88.7	89.1	89.3	89.6	89.8	90.1	
≥ 600	3.2	56.7	71.1	75.4	76.0	81.9	86.4	88.0	89.8	90.2	90.6	90.9	91.2	91.4	91.7	
≥ 500	3.2	56.7	71.3	75.8	76.4	82.7	87.7	89.6	91.7	92.1	92.6	92.9	93.2	93.4	93.7	
≥ 400	3.2	56.7	71.4	75.9	76.6	83.1	88.3	90.3	92.9	93.4	93.9	94.3	94.6	94.9	95.2	
≥ 300	3.2	56.7	71.4	75.9	76.6	83.2	88.5	90.7	93.6	94.2	94.8	95.3	95.6	95.9	96.2	
≥ 200	3.2	56.7	71.4	76.0	76.7	83.2	88.6	90.9	93.9	94.6	95.3	95.6	95.9	96.2	96.5	
≥ 100	3.2	56.7	71.4	76.0	76.7	83.2	88.6	90.9	93.9	94.6	95.3	95.6	95.9	96.2	96.5	
≥ 0	3.2	56.7	71.4	76.0	76.7	83.2	88.6	90.9	93.9	94.6	95.3	95.6	95.9	96.2	96.5	

TOTAL NUMBER OF OBSERVATIONS 6768

USAF ETAC FORM 101-84 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GENERAL CLIMATOLOGY BRANCH
 ETAC
 ALL WEATHER SERVICE MAC

CEILING VERSUS VISIBILITY

STATION

ILDENHALL RAF K

4-87

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

000-0000
 HOURS 1-51

CEILING FEET	VISIBILITY STATUTE MILES. OR (HUNDREDS OF METERS)																		
	≥10 1.6	≥5 0.8	≥3 0.5	≥2 0.3	≥1 0.2	≥1 0.2	≥1 0.2	≥1 0.2	≥1 0.2	≥1 0.2	≥1 0.2	≥1 0.2	≥1 0.2	≥1 0.2	≥1 0.2	≥1 0.2	≥1 0.2	≥1 0.2	≥1 0.2
NO CEILING		2.0	33.7	36.8	37.4	37.4	33.2	39.2	39.4	39.5	39.5	39.5	39.6	39.7	39.7	39.7	39.7	40.1	
≥ 20000		33.7	35.3	38.7	39.5	39.5	40.3	41.7	41.8	41.9	41.9	42.0	42.2	42.2	42.2	42.2	42.2	42.6	
≥ 18000		33.7	35.4	38.8	39.6	39.6	40.3	41.8	41.9	42.0	42.0	42.0	42.2	42.3	42.3	42.3	42.3	42.7	
≥ 16000		33.7	35.4	38.8	39.6	39.6	40.3	41.8	41.9	42.0	42.0	42.0	42.2	42.3	42.3	42.3	42.3	42.7	
≥ 14000		33.7	35.4	38.8	39.6	39.6	40.3	41.8	41.9	42.0	42.0	42.0	42.2	42.3	42.3	42.3	42.3	42.7	
≥ 12000		33.7	35.4	38.8	39.6	39.6	40.3	41.8	41.9	42.0	42.0	42.0	42.2	42.3	42.3	42.3	42.3	42.7	
≥ 10000		34.1	35.6	40.3	41.1	41.1	41.8	43.3	43.4	43.5	43.5	43.7	43.8	43.8	43.8	43.8	43.8	44.2	
≥ 9000		35.1	7.4	41.2	41.9	41.9	42.7	44.2	44.3	44.4	44.4	44.5	44.6	44.6	44.6	44.6	44.6	45.1	
≥ 8000		35.1	4.2	44.1	44.9	44.9	45.6	47.1	47.2	47.3	47.3	47.4	47.5	47.5	47.5	47.5	47.5	48.0	
≥ 7000		35.1	41.4	45.3	45.6	45.6	46.7	47.3	47.3	47.3	47.3	47.4	47.5	47.5	47.5	47.5	47.5	48.0	
≥ 6000		35.1	41.4	45.3	45.6	45.6	46.7	47.3	47.3	47.3	47.3	47.4	47.5	47.5	47.5	47.5	47.5	48.0	
≥ 5000		35.1	41.4	45.3	45.6	45.6	46.7	47.3	47.3	47.3	47.3	47.4	47.5	47.5	47.5	47.5	47.5	48.0	
≥ 4500		4.2	49.2	52.8	53.5	53.5	54.3	55.8	55.9	56.0	56.0	56.1	56.2	56.2	56.2	56.2	56.2	56.7	
≥ 4000		4.2	49.2	52.8	53.5	53.5	54.3	55.8	55.9	56.0	56.0	56.1	56.2	56.2	56.2	56.2	56.2	56.7	
≥ 3500		5.2	55.2	6.5	61.5	61.5	62.7	64.5	64.7	64.8	64.8	64.9	65.1	65.1	65.1	65.1	65.1	65.5	
≥ 3000		5.2	55.2	6.5	61.5	61.5	62.7	64.5	64.7	64.8	64.8	64.9	65.1	65.1	65.1	65.1	65.1	65.5	
≥ 2500		5.2	55.2	6.5	61.5	61.5	62.7	64.5	64.7	64.8	64.8	64.9	65.1	65.1	65.1	65.1	65.1	65.5	
≥ 2000		5.2	55.2	6.5	61.5	61.5	62.7	64.5	64.7	64.8	64.8	64.9	65.1	65.1	65.1	65.1	65.1	65.5	
≥ 1800		5.2	55.2	6.5	61.5	61.5	62.7	64.5	64.7	64.8	64.8	64.9	65.1	65.1	65.1	65.1	65.1	65.5	
≥ 1500		5.2	55.2	6.5	61.5	61.5	62.7	64.5	64.7	64.8	64.8	64.9	65.1	65.1	65.1	65.1	65.1	65.5	
≥ 1200		5.2	55.2	6.5	61.5	61.5	62.7	64.5	64.7	64.8	64.8	64.9	65.1	65.1	65.1	65.1	65.1	65.5	
≥ 1000		5.2	55.2	6.5	61.5	61.5	62.7	64.5	64.7	64.8	64.8	64.9	65.1	65.1	65.1	65.1	65.1	65.5	
≥ 900		6.2	72.0	81.3	83.3	83.3	83.7	85.4	85.5	85.5	85.5	85.7	85.7	85.7	85.7	85.7	85.7	86.3	
≥ 800		6.2	72.0	81.3	83.3	83.3	83.7	85.4	85.5	85.5	85.5	85.7	85.7	85.7	85.7	85.7	85.7	86.3	
≥ 700		6.2	72.0	81.3	83.3	83.3	83.7	85.4	85.5	85.5	85.5	85.7	85.7	85.7	85.7	85.7	85.7	86.3	
≥ 600		6.2	72.0	81.3	83.3	83.3	83.7	85.4	85.5	85.5	85.5	85.7	85.7	85.7	85.7	85.7	85.7	86.3	
≥ 500		6.2	72.0	81.3	83.3	83.3	83.7	85.4	85.5	85.5	85.5	85.7	85.7	85.7	85.7	85.7	85.7	86.3	
≥ 400		6.2	72.0	81.3	83.3	83.3	83.7	85.4	85.5	85.5	85.5	85.7	85.7	85.7	85.7	85.7	85.7	86.3	
≥ 300		6.2	72.0	81.3	83.3	83.3	83.7	85.4	85.5	85.5	85.5	85.7	85.7	85.7	85.7	85.7	85.7	86.3	
≥ 200		6.2	72.0	81.3	83.3	83.3	83.7	85.4	85.5	85.5	85.5	85.7	85.7	85.7	85.7	85.7	85.7	86.3	
≥ 100		6.2	72.0	81.3	83.3	83.3	83.7	85.4	85.5	85.5	85.5	85.7	85.7	85.7	85.7	85.7	85.7	86.3	
≥ 0		6.2	72.0	81.3	83.3	83.3	83.7	85.4	85.5	85.5	85.5	85.7	85.7	85.7	85.7	85.7	85.7	86.3	

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7571
STATION

ILDENHALL RAF K
STATION NAME

4-87
YEAR

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

700-0500
HOURS (LT)

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	0.0	30.2	33.7	35.2	35.2	37.0	38.3	38.6	38.7	38.7	38.7	38.8	38.9	39.9	39.2	
≥ 20000	0.1	31.4	35.3	36.9	37.0	39.0	40.8	41.1	41.3	41.3	41.3	41.4	41.5	41.5	41.8	
≥ 18000	0.1	31.4	35.3	36.9	37.0	39.0	40.8	41.1	41.3	41.3	41.3	41.4	41.5	41.5	41.8	
≥ 16000	0.1	31.4	35.3	36.9	37.0	39.0	40.8	41.1	41.3	41.3	41.3	41.4	41.5	41.5	41.8	
≥ 14000	0.1	31.4	35.3	36.9	37.0	39.0	40.8	41.1	41.3	41.3	41.3	41.4	41.5	41.5	41.8	
≥ 12000	0.2	31.5	35.4	37.1	37.1	39.1	40.9	41.2	41.4	41.4	41.4	41.5	41.6	41.6	41.9	
≥ 10000	31.3	32.3	35.9	37.5	37.6	39.8	41.5	41.9	42.0	42.0	42.0	42.2	42.3	42.3	42.6	
≥ 9000	0.4	32.7	36.7	38.5	38.6	41.0	42.7	43.7	43.2	43.2	43.2	43.3	43.4	43.4	43.8	
≥ 8000	3.0	35.3	39.6	41.2	41.7	43.7	45.4	45.7	45.9	45.9	45.9	46.0	46.1	46.1	46.5	
≥ 7000	3.2	36.5	40.8	42.4	42.5	44.9	46.6	46.9	47.1	47.1	47.1	47.2	47.3	47.3	47.6	
≥ 6000	3.3	36.6	40.9	42.5	42.6	44.9	46.7	47.0	47.2	47.2	47.2	47.3	47.4	47.4	47.7	
≥ 5000	3.6	39.1	42.4	44.1	44.2	46.6	48.3	48.6	48.8	48.8	48.8	48.9	49.0	49.0	49.4	
≥ 4500	4.0	42.5	47.1	49.3	49.5	51.8	53.5	53.9	54.1	54.1	54.1	54.2	54.3	54.3	54.6	
≥ 4000	4.3	47.1	52.5	55.0	55.7	58.3	60.0	60.3	60.5	60.5	60.5	60.6	60.8	60.8	61.1	
≥ 3500	4.5	49.4	55.5	58.1	58.7	61.4	63.1	63.4	63.7	63.7	63.7	63.8	63.9	63.9	64.2	
≥ 3000	0.6	52.5	58.9	61.7	62.4	65.2	66.9	67.2	67.4	67.4	67.4	67.5	67.6	67.6	68.0	
≥ 2500	2.2	54.1	61.5	64.6	65.3	68.3	70.1	70.8	71.0	71.0	71.0	71.1	71.2	71.2	71.5	
≥ 2000	5.0	57.7	66.0	69.2	70.3	73.5	75.4	76.0	76.3	76.3	76.3	76.5	76.6	76.6	76.9	
≥ 1800	5.6	58.8	67.1	70.3	71.1	74.6	76.5	77.1	77.4	77.4	77.4	77.5	77.6	77.6	78.1	
≥ 1600	0.3	62.7	72.2	76.7	76.8	80.4	82.4	83.0	83.3	83.3	83.3	83.4	83.5	83.5	84.0	
≥ 1400	1.2	64.0	73.7	77.5	78.3	82.3	84.4	85.1	85.4	85.4	85.4	85.5	85.6	85.6	86.0	
≥ 1200	1.5	64.5	74.3	79.2	78.9	83.5	85.7	86.3	86.8	86.8	86.8	86.9	87.0	87.0	87.4	
≥ 1000	2.2	65.5	76.0	79.9	80.6	85.4	87.6	88.3	88.7	88.7	88.7	88.8	88.9	88.9	89.4	
≥ 900	32.3	66.1	77.0	81.1	81.3	86.8	89.1	89.9	90.3	90.3	90.3	90.4	90.5	90.5	91.0	
≥ 800	52.3	66.1	77.2	81.4	82.3	87.6	89.2	91.0	91.4	91.4	91.4	91.5	91.6	91.6	92.0	
≥ 700	12.8	66.1	77.2	81.7	82.9	88.9	91.6	92.5	92.9	92.9	92.9	93.0	93.1	93.1	93.5	
≥ 600	13.0	66.3	78.3	82.4	84.2	91.0	94.0	95.1	95.5	95.5	95.5	95.6	95.7	95.7	96.1	
≥ 500	3.3	66.7	78.6	83.2	84.5	91.7	95.1	96.3	96.8	96.8	96.8	96.9	97.0	97.0	97.4	
≥ 400	3.3	66.7	78.6	83.2	84.5	91.8	95.2	96.6	97.0	97.1	97.1	97.4	97.5	97.5	98.1	
≥ 300	3.3	66.7	78.6	83.2	84.5	91.8	95.2	96.6	97.2	97.3	97.3	97.8	98.5	98.6	99.5	
≥ 200	3.3	66.7	78.6	83.2	84.5	91.8	95.2	96.6	97.2	97.3	97.3	98.0	98.9	99.0	100.0	
≥ 100	3.3	66.7	78.6	83.2	84.5	91.8	95.2	96.6	97.2	97.3	97.3	98.0	98.9	99.0	100.0	
≥ 0	3.3	66.7	78.6	83.2	84.5	91.8	95.2	96.6	97.2	97.3	97.3	98.0	98.9	99.0	100.0	

TOTAL NUMBER OF OBSERVATIONS 930

CLIMATE CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE MAC

CEILING VERSUS VISIBILITY

STATION
 1577

STATION NAME
 ILDENHALL RAF K

4-87

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1577-1987
 100% 10

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10 1.0	≥6 0.6	≥5 0.5	≥4 0.4	≥3 0.3	≥2.5 0.25	≥2 0.2	≥1.5 0.15	≥1 0.1	≥0.8 0.08	≥0.6 0.06	≥0.5 0.05	≥0.4 0.04	≥0.3 0.03	≥0.2 0.02	≥0.1 0.01
NO CEILING																
≥ 20000		22.0	22.4	23.7	24.3	25.1	27.0	27.3	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.7
≥ 18000		22.1	24.3	27.0	28.7	29.2	31.0	32.4	32.7	33.1	33.1	33.1	33.1	33.2	33.2	33.4
≥ 16000		22.1	24.3	27.0	28.7	29.2	31.0	32.4	32.7	33.1	33.1	33.1	33.1	33.2	33.2	33.4
≥ 14000		22.1	24.3	27.0	28.7	29.2	31.0	32.4	32.7	33.1	33.1	33.1	33.1	33.2	33.2	33.4
≥ 12000		22.1	24.3	27.0	28.7	29.2	31.0	32.4	32.7	33.1	33.1	33.1	33.1	33.2	33.2	33.4
≥ 10000		22.1	24.3	27.0	28.7	29.2	31.0	32.4	32.7	33.1	33.1	33.1	33.1	33.2	33.2	33.4
≥ 9000		22.1	24.3	27.0	28.7	29.2	31.0	32.4	32.7	33.1	33.1	33.1	33.1	33.2	33.2	33.4
≥ 8000		22.1	24.3	27.0	28.7	29.2	31.0	32.4	32.7	33.1	33.1	33.1	33.1	33.2	33.2	33.4
≥ 7000		22.1	24.3	27.0	28.7	29.2	31.0	32.4	32.7	33.1	33.1	33.1	33.1	33.2	33.2	33.4
≥ 6000		22.1	24.3	27.0	28.7	29.2	31.0	32.4	32.7	33.1	33.1	33.1	33.1	33.2	33.2	33.4
≥ 5000		22.1	24.3	27.0	28.7	29.2	31.0	32.4	32.7	33.1	33.1	33.1	33.1	33.2	33.2	33.4
≥ 4500		22.1	24.3	27.0	28.7	29.2	31.0	32.4	32.7	33.1	33.1	33.1	33.1	33.2	33.2	33.4
≥ 4000		22.1	24.3	27.0	28.7	29.2	31.0	32.4	32.7	33.1	33.1	33.1	33.1	33.2	33.2	33.4
≥ 3500		22.1	24.3	27.0	28.7	29.2	31.0	32.4	32.7	33.1	33.1	33.1	33.1	33.2	33.2	33.4
≥ 3000		22.1	24.3	27.0	28.7	29.2	31.0	32.4	32.7	33.1	33.1	33.1	33.1	33.2	33.2	33.4
≥ 2500		22.1	24.3	27.0	28.7	29.2	31.0	32.4	32.7	33.1	33.1	33.1	33.1	33.2	33.2	33.4
≥ 2000		22.1	24.3	27.0	28.7	29.2	31.0	32.4	32.7	33.1	33.1	33.1	33.1	33.2	33.2	33.4
≥ 1800		22.1	24.3	27.0	28.7	29.2	31.0	32.4	32.7	33.1	33.1	33.1	33.1	33.2	33.2	33.4
≥ 1500		22.1	24.3	27.0	28.7	29.2	31.0	32.4	32.7	33.1	33.1	33.1	33.1	33.2	33.2	33.4
≥ 1200		22.1	24.3	27.0	28.7	29.2	31.0	32.4	32.7	33.1	33.1	33.1	33.1	33.2	33.2	33.4
≥ 1000		22.1	24.3	27.0	28.7	29.2	31.0	32.4	32.7	33.1	33.1	33.1	33.1	33.2	33.2	33.4
≥ 900		22.1	24.3	27.0	28.7	29.2	31.0	32.4	32.7	33.1	33.1	33.1	33.1	33.2	33.2	33.4
≥ 800		22.1	24.3	27.0	28.7	29.2	31.0	32.4	32.7	33.1	33.1	33.1	33.1	33.2	33.2	33.4
≥ 700		22.1	24.3	27.0	28.7	29.2	31.0	32.4	32.7	33.1	33.1	33.1	33.1	33.2	33.2	33.4
≥ 600		22.1	24.3	27.0	28.7	29.2	31.0	32.4	32.7	33.1	33.1	33.1	33.1	33.2	33.2	33.4
≥ 500		22.1	24.3	27.0	28.7	29.2	31.0	32.4	32.7	33.1	33.1	33.1	33.1	33.2	33.2	33.4
≥ 400		22.1	24.3	27.0	28.7	29.2	31.0	32.4	32.7	33.1	33.1	33.1	33.1	33.2	33.2	33.4
≥ 300		22.1	24.3	27.0	28.7	29.2	31.0	32.4	32.7	33.1	33.1	33.1	33.1	33.2	33.2	33.4
≥ 200		22.1	24.3	27.0	28.7	29.2	31.0	32.4	32.7	33.1	33.1	33.1	33.1	33.2	33.2	33.4
≥ 100		22.1	24.3	27.0	28.7	29.2	31.0	32.4	32.7	33.1	33.1	33.1	33.1	33.2	33.2	33.4
≥ 0		22.1	24.3	27.0	28.7	29.2	31.0	32.4	32.7	33.1	33.1	33.1	33.1	33.2	33.2	33.4

TOTAL NUMBER OF OBSERVATIONS 936

USAF ETAC FORM 10-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
0577

STATION NAME
ILDENHALL RAF K

4-23

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

000-100
HOURS PER YEAR

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 516	≥9 GE9	≥8 GE8	≥7 GE7	≥6 GE6	≥5 GE5	≥4 GE4	≥3 GE3	≥2 GE2	≥1 GE1	≥1 GE1	≥1 GE1	≥1 GE1	≥1 GE1	≥1 GE1	≥1 GE1
NO CEILING	1.5	17.7	21.1	22.7	22.3	22.6	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8
≥ 20000	2.3	24.1	28.2	29.7	29.9	30.3	30.5	30.5	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9
≥ 18000	2.3	24.1	28.2	29.7	29.9	30.3	30.5	30.5	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9
≥ 16000	2.3	24.1	28.2	29.7	29.9	30.3	30.5	30.5	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9
≥ 14000	2.4	24.2	28.4	30.1	30.3	30.8	31.1	31.1	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3
≥ 12000	2.2	25.1	29.4	31.1	31.3	31.7	31.9	31.9	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
≥ 10000	2.3	27.0	31.6	33.3	33.5	34.1	34.3	34.3	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6
≥ 9000	2.6	27.7	32.4	34.1	34.3	34.7	35.1	35.1	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
≥ 8000	2.1	31.3	35.1	38.1	38.1	38.7	39.2	39.2	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 7000	1.1	32.2	37.1	39.9	39.2	39.7	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
≥ 6000	1.1	32.3	37.2	39.7	39.4	39.8	40.1	40.1	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
≥ 5000	1.4	32.6	37.5	39.4	39.7	40.1	40.4	40.4	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
≥ 4500	3.1	34.7	40.4	42.3	42.6	43.2	43.5	43.5	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 4000	3.1	34.7	40.4	42.3	42.6	43.2	43.5	43.5	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 3500	4.1	42.4	49.5	51.9	51.3	53.3	54.1	54.1	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 3000	4.5	47.8	55.3	57.7	58.1	59.2	60.0	60.0	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 2500	4.9	51.6	59.2	61.7	62.1	63.2	64.0	64.0	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 2000	4.2	57.8	66.1	68.7	69.0	70.2	71.1	71.1	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 1800	5.4	58.7	66.7	69.5	69.8	71.0	71.7	71.7	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 1500	5.4	61.4	70.6	73.8	74.1	75.5	76.6	76.6	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 1200	5.1	64.1	73.8	77.1	77.5	79.9	81.1	81.1	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 1000	5.2	65.1	75.5	79.1	79.7	82.2	83.5	83.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 900	1.5	65.9	77.3	81.1	81.7	84.2	85.7	85.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 800	6.1	66.4	78.3	82.7	83.4	86.3	88.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 700	2.2	67.1	78.9	83.5	84.3	87.4	89.6	90.1	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 600	2.7	67.6	79.8	84.6	85.4	88.9	91.2	91.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 500	2.7	67.6	80.2	85.1	85.9	90.1	92.9	93.9	96.5	96.7	96.9	97.2	97.0	97.0	97.0	97.0
≥ 400	2.7	67.6	80.2	85.1	85.9	90.1	92.9	93.9	96.5	96.7	96.9	97.2	97.0	97.0	97.0	97.0
≥ 300	2.7	67.6	80.2	85.1	85.9	90.1	92.9	93.9	96.5	96.7	96.9	97.2	97.0	97.0	97.0	97.0
≥ 200	2.7	67.6	80.2	85.1	85.9	90.2	93.2	94.6	97.6	97.8	98.4	98.6	98.8	98.9	99.1	99.1
≥ 100	2.7	67.6	80.2	85.1	85.9	90.2	93.2	94.6	97.6	97.8	98.4	98.6	98.8	98.9	99.0	100.0
≥ 0	2.7	67.6	80.2	85.1	85.9	90.2	93.2	94.6	97.6	97.8	98.4	98.6	98.8	98.9	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

FEDERAL CLIMATOLOGY BRANCH
 ETAC
 AIR WEATHER SERVICE/AVAC

CEILING VERSUS VISIBILITY

STATION
 1571

STATION NAME
 ILDENHALL PAF K

4-87

YEARS

MONTH
 12

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

12-470
 HOURS

CEILING FEET	VISIBILITY STATUTE MILES																OR (HUNDREDS OF METERS)			
	≥10	26	23	24	23	22	22	21	21	21	24	24	24	23	23	23	23	23	23	23
NO CEILING	1.1	15.7	16.6	15.6	16.6	16.6	16.6	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
≥ 20000	2.0	21.3	23.7	24.2	24.3	25.1	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2
≥ 18000	2.1	23.5	23.9	24.4	24.5	25.3	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4
≥ 16000	2.3	23.5	23.9	24.4	24.5	25.3	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4
≥ 14000	2.2	24.1	24.3	24.8	24.9	25.7	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
≥ 12000	2.3	24.4	25.2	25.7	25.8	26.6	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7
≥ 10000	2.4	26.2	26.7	27.2	27.3	28.1	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
≥ 9000	2.4	26.2	26.7	27.2	27.3	28.1	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
≥ 8000	2.5	27.2	27.7	28.2	28.3	29.1	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
≥ 7000	2.5	27.2	27.7	28.2	28.3	29.1	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
≥ 6000	2.6	28.6	29.1	29.6	29.7	30.5	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8
≥ 5000	2.6	28.6	29.1	29.6	29.7	30.5	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8
≥ 4500	2.4	31.7	34.5	35.1	35.2	35.9	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
≥ 4000	2.7	34.1	34.5	35.1	35.2	35.9	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
≥ 3500	4.2	45.7	47.5	48.3	48.5	49.2	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 3000	4.5	56.2	58.5	59.4	59.6	60.4	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 2500	5.9	61.7	64.1	64.9	65.2	66.1	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 2000	6.5	69.5	72.8	73.9	74.1	75.2	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 1800	5.3	77.2	73.5	74.6	74.8	75.9	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 1500	3.5	75.6	79.9	81.3	81.5	83.2	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 1200	5.7	78.9	84.3	85.8	86.5	88.7	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 1000	7.1	79.4	84.9	86.5	87.1	89.6	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 900	7.7	80.1	85.1	86.1	86.7	91.3	93.2	93.7	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 800	7.8	80.2	86.8	88.8	89.6	92.3	94.5	94.9	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 700	7.1	80.4	87.0	89.4	90.1	93.7	95.5	95.9	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 600	7.5	81.0	87.8	90.6	91.4	94.7	97.5	97.5	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 500	7.5	81.0	87.8	90.6	91.4	94.7	97.5	97.5	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 400	7.5	81.0	87.8	90.6	91.4	94.7	97.5	97.5	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 300	7.5	81.0	87.8	90.6	91.4	94.7	97.5	97.5	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 200	7.5	81.0	87.8	90.6	91.4	94.7	97.5	97.5	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 100	7.5	81.0	87.8	90.6	91.4	94.7	97.5	97.5	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 0	7.5	81.0	87.8	90.6	91.4	94.7	97.5	97.5	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5

TOTAL NUMBER OF OBSERVATIONS 270

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

5-7
STATION

ILDENHALL RAF
STATION NAME

19-87
YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

7-1700
HOURS TEST

CEILING FEET	VISIBILITY STATUTE MILES															
	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95
20000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
300	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
200	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TOTAL NUMBER OF OBSERVATIONS 77

CLIMATE CLIMATOLOGY BRANCH
ETAC
AIR WEATHER SERVICE (MAC)

CEILING VERSUS VISIBILITY

STATION: ELSENHALL DAF K

4-87

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

11 0-2000
HOURS

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 1	≥9 9	≥8 8	≥7 7	≥6 6	≥5 5	≥4 4	≥3 3	≥2 2	≥1 1	≥0 0	≥0 0	≥0 0	≥0 0	≥0 0	≥0 0
NO CEILING	2.6	29.3	29.6	3.7	10.1	31.1	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
≥20000	2.6	33.2	35.2	35.6	35.7	36.9	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.5	37.5	37.5
≥18000	3.1	33.4	35.4	35.8	35.9	37.0	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.7	37.7	37.7
≥16000	3.1	33.4	35.4	35.8	36.7	36.7	37.4	38.1	38.1	38.1	38.1	38.1	38.1	38.2	38.2	38.2
≥14000	3.1	33.4	35.4	36.2	36.3	37.4	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.2	38.2	38.2
≥12000	3.1	34.3	36.2	36.7	36.8	37.8	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.6	38.6	38.6
≥10000	3.4	36.1	38.1	38.5	38.6	39.7	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.4	4.4	4.4
≥9000	3.7	37.7	3.9	39.4	39.5	40.5	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.3	41.3	41.3
≥8000	4.1	42.3	44.8	45.4	45.5	4.6	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.3	47.3	47.3
≥7000	4.2	43.9	45.9	46.5	46.6	47.6	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.4	48.4	48.4
≥6000	4.3	43.7	46.4	46.6	46.7	47.7	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.5	48.5	48.5
≥5000	4.7	44.8	47.0	47.5	47.6	48.7	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.5	49.5	49.5
≥4500	4.8	50.7	52.5	53.2	53.3	54.4	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.2	55.2	55.2
≥4000	4.8	56.6	58.9	59.7	59.8	61.0	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.8	61.8	61.8
≥3500	5.4	61.2	64.7	65.5	65.6	66.8	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.6	67.6	67.6
≥3000	5.3	65.8	69.9	7.9	71.7	72.3	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.3	73.3	73.3
≥2500	6.5	69.5	73.3	74.3	74.5	76.1	76.9	77.7	77.7	77.7	77.7	77.7	77.7	77.8	77.8	77.8
≥2000	6.0	71.5	7.1	79.1	79.4	81.0	81.8	81.9	81.9	81.9	81.9	81.9	81.9	82.0	82.0	82.0
≥1800	6.6	72.1	78.8	8.1	80.3	81.9	82.8	82.9	82.9	82.9	82.9	82.9	82.9	83.0	83.0	83.0
≥1500	2.4	75.1	82.7	84.1	84.2	85.9	86.9	87.7	87.7	87.7	87.7	87.7	87.7	87.8	87.8	87.8
≥1200	4.0	77.1	85.7	87.4	87.6	9.2	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.7	91.7	91.7
≥1000	4.2	77.4	86.7	88.9	89.2	92.1	93.4	93.7	93.7	93.7	93.7	93.7	93.7	93.8	93.8	93.8
≥900	4.5	77.5	7.0	89.5	89.8	92.1	94.4	95.1	95.2	95.3	95.3	95.3	95.3	95.4	95.4	95.4
≥800	4.5	77.8	87.4	9.7	90.3	93.4	5.4	96.3	96.5	96.6	96.6	96.6	96.6	96.7	96.7	96.7
≥700	4.7	78.1	87.8	9.4	90.8	94.1	96.7	97.1	97.2	97.3	97.3	97.3	97.3	97.4	97.4	97.4
≥600	4.7	78.1	88.2	91.1	91.4	95.2	97.3	98.4	98.5	98.6	98.6	98.6	98.6	98.7	98.7	98.7
≥500	4.7	78.1	88.2	91.0	91.4	95.3	97.4	98.9	99.2	99.5	99.5	99.5	99.5	99.6	99.6	99.6
≥400	4.7	7.1	88.2	91.0	91.4	95.3	97.5	99.0	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0
≥300	4.7	78.1	88.2	91.0	91.4	95.3	97.5	99.0	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0
≥200	4.7	78.1	88.2	91.1	91.4	95.3	97.5	99.7	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0
≥100	4.7	78.1	88.2	91.1	91.4	95.3	97.5	99.7	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0
≥0	4.7	78.1	88.2	91.0	91.4	95.3	97.5	99.7	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 932

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 7 HILDENHALL RAF K
STATION NAME

4-87 YEARS
MONTH

MAC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1 0-2370
HOURS

CEILING FEET	VISIBILITY: STATUTE MILES																OR (HUNDREDS OF METERS)			
	≥10 SM	≥9 SM	≥8 SM	≥7 SM	≥6 SM	≥5 SM	≥4 SM	≥3 SM	≥2 SM	≥1 SM	≥1 SM	≥1 SM	≥1 SM	≥1 SM	≥1 SM	≥1 SM	≥1 SM	≥1 SM	≥1 SM	≥1 SM
NO CEILING		2.2	33.1	35.5	36.0	36.0	36.0	37.6	38.0	38.1	38.1	38.1	38.1	38.2	38.2	38.2	38.2	38.2	38.2	38.2
≥ 20000		34.0	36.2	39.2	39.9	39.9	39.9	41.5	41.8	41.8	41.9	41.9	41.9	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 18000		34.0	36.2	39.2	39.9	39.9	39.9	41.5	41.8	41.8	41.9	41.9	41.9	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 16000		34.0	36.2	39.2	39.9	39.9	39.9	41.5	41.8	41.8	41.9	41.9	41.9	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 14000		34.0	36.2	39.2	39.9	39.9	39.9	41.5	41.8	41.8	41.9	41.9	41.9	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 12000		34.0	36.2	39.2	39.9	39.9	39.9	41.5	41.8	41.8	41.9	41.9	41.9	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 10000		35.0	37.2	40.4	41.1	41.1	41.1	42.7	43.0	43.0	43.1	43.1	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 9000		35.0	37.2	40.4	41.1	41.1	41.1	42.7	43.0	43.0	43.1	43.1	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 8000		41.0	43.0	46.2	46.9	46.9	46.9	48.5	48.8	48.8	48.9	48.9	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 7000		42.4	43.0	47.0	47.6	47.6	47.6	49.2	49.6	49.6	49.7	49.7	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8
≥ 6000		42.4	43.0	47.0	47.6	47.6	47.6	49.2	49.6	49.6	49.7	49.7	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8
≥ 5000		44.0	45.4	48.6	49.2	49.2	49.2	50.7	51.2	51.2	51.3	51.3	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 4500		44.0	45.4	48.6	49.2	49.2	49.2	50.7	51.2	51.2	51.3	51.3	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 4000		44.0	45.4	48.6	49.2	49.2	49.2	50.7	51.2	51.2	51.3	51.3	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 3500		5.1	58.2	62.3	63.4	63.4	63.4	65.1	66.0	66.0	66.1	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 3000		5.7	61.9	66.8	68.2	68.2	68.2	69.8	71.1	71.1	71.2	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 2500		3.2	65.5	71.4	72.9	72.9	72.9	74.6	75.9	75.9	76.0	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 2000		6.5	68.8	75.6	77.1	77.1	77.1	78.8	80.1	80.1	80.2	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 1800		6.7	69.6	76.3	77.8	77.8	77.8	79.4	81.0	81.0	81.1	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 1500		6.2	72.3	79.8	81.4	81.4	81.4	83.5	84.8	84.8	84.9	84.9	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 1200		0.8	74.2	82.6	84.2	84.2	84.2	86.5	88.1	88.1	88.2	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 1000		1.8	75.3	84.5	86.5	86.5	86.5	89.0	91.0	91.0	91.1	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 900		0.0	75.5	85.5	87.5	87.5	87.5	90.2	92.2	92.2	92.3	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 800		2.5	76.7	86.7	89.0	89.0	89.0	92.4	94.8	94.8	94.9	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 700		2.8	77.2	87.4	89.9	89.9	89.9	93.5	96.1	96.0	96.5	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 600		2.8	77.2	87.5	90.2	90.2	90.2	93.9	96.5	96.8	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 500		2.9	77.4	87.8	90.5	90.5	90.5	94.3	97.1	98.1	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 400		2.9	77.4	87.8	90.5	90.5	90.5	94.3	97.1	98.1	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 300		2.9	77.4	87.8	90.5	90.5	90.5	94.3	97.1	98.1	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 200		2.9	77.4	87.8	90.5	90.5	90.5	94.3	97.1	98.1	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 100		2.9	77.4	87.8	90.5	90.5	90.5	94.3	97.1	98.1	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 0		2.9	77.4	87.8	90.5	90.5	90.5	94.3	97.1	98.1	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/MAO

CEILING VERSUS VISIBILITY

STATION 1571 ILDENHALL PAF K
 STATION NAME

4-83 YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

ALL
 HOURS

CEILING FEET	VISIBILITY - STATUTE MILES																OP (HUNDREDS OF METERS)			
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥1/64	≥1/128	≥1/256	≥1/512	≥1/1024
NO CEILING	2.1	25.6	27.0	27.3	28.7	3.9	29.6	2.7	29.7	29.7	29.7	29.7	29.7	29.8	29.8	29.8	29.9			
≥20000	2.2	29.3	31.8	32.9	33.1	34.1	34.9	35.1	35.1	35.1	35.1	35.1	35.1	35.2	35.2	35.2	35.3			
≥18000	2.3	29.4	32.1	33.1	33.2	33.3	34.4	35.2	35.3	35.3	35.3	35.3	35.3	35.4	35.4	35.4	35.5			
≥16000	2.4	29.5	32.1	33.2	33.3	33.4	34.5	35.3	35.4	35.4	35.4	35.4	35.4	35.5	35.5	35.5	35.6			
≥14000	2.5	29.6	32.2	33.3	33.4	33.5	34.6	35.4	35.5	35.5	35.5	35.5	35.5	35.6	35.6	35.6	35.7			
≥12000	2.6	29.7	32.3	33.4	33.5	33.6	34.7	35.5	35.6	35.6	35.6	35.6	35.6	35.7	35.7	35.7	35.8			
≥10000	2.7	29.8	32.4	33.5	33.6	33.7	34.8	35.6	35.7	35.7	35.7	35.7	35.7	35.8	35.8	35.8	35.9			
≥9000	2.8	29.9	32.5	33.6	33.7	33.8	34.9	35.7	35.8	35.8	35.8	35.8	35.8	35.9	35.9	35.9	36.0			
≥8000	2.9	30.0	32.6	33.7	33.8	33.9	35.0	35.8	35.9	35.9	35.9	35.9	35.9	36.0	36.0	36.0	36.1			
≥7000	3.0	30.1	32.7	33.8	33.9	34.0	35.1	35.9	36.0	36.0	36.0	36.0	36.0	36.1	36.1	36.1	36.2			
≥6000	3.1	30.2	32.8	33.9	34.0	34.1	35.2	36.0	36.1	36.1	36.1	36.1	36.1	36.2	36.2	36.2	36.3			
≥5000	3.2	30.3	32.9	34.0	34.1	34.2	35.3	36.1	36.2	36.2	36.2	36.2	36.2	36.3	36.3	36.3	36.4			
≥4500	3.3	30.4	33.0	34.1	34.2	34.3	35.4	36.2	36.3	36.3	36.3	36.3	36.3	36.4	36.4	36.4	36.5			
≥4000	3.4	30.5	33.1	34.2	34.3	34.4	35.5	36.3	36.4	36.4	36.4	36.4	36.4	36.5	36.5	36.5	36.6			
≥3500	3.5	30.6	33.2	34.3	34.4	34.5	35.6	36.4	36.5	36.5	36.5	36.5	36.5	36.6	36.6	36.6	36.7			
≥3000	3.6	30.7	33.3	34.4	34.5	34.6	35.7	36.5	36.6	36.6	36.6	36.6	36.6	36.7	36.7	36.7	36.8			
≥2500	3.7	30.8	33.4	34.5	34.6	34.7	35.8	36.6	36.7	36.7	36.7	36.7	36.7	36.8	36.8	36.8	36.9			
≥2000	3.8	30.9	33.5	34.6	34.7	34.8	35.9	36.7	36.8	36.8	36.8	36.8	36.8	36.9	36.9	36.9	37.0			
≥1800	3.9	31.0	33.6	34.7	34.8	34.9	36.0	36.8	36.9	36.9	36.9	36.9	36.9	37.0	37.0	37.0	37.1			
≥1600	4.0	31.1	33.7	34.8	34.9	35.0	36.1	36.9	37.0	37.0	37.0	37.0	37.0	37.1	37.1	37.1	37.2			
≥1400	4.1	31.2	33.8	34.9	35.0	35.1	36.2	37.0	37.1	37.1	37.1	37.1	37.1	37.2	37.2	37.2	37.3			
≥1200	4.2	31.3	33.9	35.0	35.1	35.2	36.3	37.1	37.2	37.2	37.2	37.2	37.2	37.3	37.3	37.3	37.4			
≥1000	4.3	31.4	34.0	35.1	35.2	35.3	36.4	37.2	37.3	37.3	37.3	37.3	37.3	37.4	37.4	37.4	37.5			
≥900	4.4	31.5	34.1	35.2	35.3	35.4	36.5	37.3	37.4	37.4	37.4	37.4	37.4	37.5	37.5	37.5	37.6			
≥800	4.5	31.6	34.2	35.3	35.4	35.5	36.6	37.4	37.5	37.5	37.5	37.5	37.5	37.6	37.6	37.6	37.7			
≥700	4.6	31.7	34.3	35.4	35.5	35.6	36.7	37.5	37.6	37.6	37.6	37.6	37.6	37.7	37.7	37.7	37.8			
≥600	4.7	31.8	34.4	35.5	35.6	35.7	36.8	37.6	37.7	37.7	37.7	37.7	37.7	37.8	37.8	37.8	37.9			
≥500	4.8	31.9	34.5	35.6	35.7	35.8	36.9	37.7	37.8	37.8	37.8	37.8	37.8	37.9	37.9	37.9	38.0			
≥400	4.9	32.0	34.6	35.7	35.8	35.9	37.0	37.8	37.9	37.9	37.9	37.9	37.9	38.0	38.0	38.0	38.1			
≥300	5.0	32.1	34.7	35.8	35.9	36.0	37.1	37.9	38.0	38.0	38.0	38.0	38.0	38.1	38.1	38.1	38.2			
≥200	5.1	32.2	34.8	35.9	36.0	36.1	37.2	38.0	38.1	38.1	38.1	38.1	38.1	38.2	38.2	38.2	38.3			
≥100	5.2	32.3	34.9	36.0	36.1	36.2	37.3	38.1	38.2	38.2	38.2	38.2	38.2	38.3	38.3	38.3	38.4			
≥0	5.3	32.4	35.0	36.1	36.2	36.3	37.4	38.2	38.3	38.3	38.3	38.3	38.3	38.4	38.4	38.4	38.5			

TOTAL NUMBER OF OBSERVATIONS 7495

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

15771 WILDEHALL RAP K

14-83

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

000-0000
HOURS - 151

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 515	≥9 519	≥8 523	≥7 527	≥6 531	≥5 535	≥4 539	≥3 543	≥2 547	≥1 551	≥1 555	≥1 559	≥1 563	≥1 567	≥1 571	≥1 575
NO CEILING	22.1	33.7	37.3	38.7	38.2	4.7	40.2	47.3	40.4	47.4	47.6	47.6	47.6	47.6	47.9	41.2
≥ 20000	3.3	38.1	42.2	43.7	43.2	45.1	45.3	45.6	45.7	45.7	45.8	45.8	45.8	45.8	46.1	46.4
IV 18000	3.3	38.1	42.2	43.7	43.2	45.1	45.3	45.6	45.7	45.7	45.8	45.8	45.8	45.8	46.1	46.4
IV 16000	3.3	38.1	42.2	43.7	43.2	45.1	45.3	45.6	45.7	45.7	45.8	45.8	45.8	45.8	46.1	46.4
IV 14000	3.3	38.1	42.2	43.7	43.2	45.1	45.3	45.6	45.7	45.7	45.8	45.8	45.8	45.8	46.1	46.4
IV 12000	3.3	38.1	42.2	43.7	43.2	45.1	45.3	45.6	45.7	45.7	45.8	45.8	45.8	45.8	46.1	46.4
IV 10000	3.3	38.1	42.2	43.7	43.2	45.1	45.3	45.6	45.7	45.7	45.8	45.8	45.8	45.8	46.1	46.4
IV 9000	3.3	38.1	42.2	43.7	43.2	45.1	45.3	45.6	45.7	45.7	45.8	45.8	45.8	45.8	46.1	46.4
IV 8000	1.1	43.2	48.4	49.3	49.6	51.6	51.8	52.0	52.1	52.1	52.2	52.2	52.2	52.2	52.6	52.9
IV 7000	12.5	44.7	49.9	5.8	51.7	53.1	53.3	53.6	5.7	53.7	53.8	53.8	53.8	53.8	54.1	54.4
IV 6000	12.5	44.7	49.9	5.8	51.7	53.1	53.3	53.6	5.7	53.7	53.8	53.8	53.8	53.8	54.1	54.4
IV 5000	4.2	46.2	52.2	53.3	53.6	55.7	55.9	56.1	56.2	56.2	56.3	56.3	56.3	56.3	56.7	57.7
IV 4500	4.2	46.2	52.2	53.3	53.6	55.7	55.9	56.1	56.2	56.2	56.3	56.3	56.3	56.3	56.7	57.7
IV 4000	2.3	55.2	63.3	64.9	65.2	67.5	67.8	68.0	68.1	68.1	68.2	68.2	68.2	68.2	68.6	68.9
IV 3500	5.2	58.2	66.7	68.2	68.6	71.1	71.2	71.4	71.6	71.7	71.7	71.7	71.7	71.7	72.0	72.3
IV 3000	5.6	61.1	67.8	71.3	71.7	74.2	74.4	74.7	74.8	74.9	74.9	74.9	74.9	74.9	75.2	75.6
IV 2500	5.4	62.9	72.1	73.7	74.0	76.8	77.1	77.2	77.3	77.4	77.6	77.6	77.6	77.6	77.9	78.2
IV 2000	4.1	67.1	77.2	79.1	79.4	82.2	82.4	82.7	82.8	82.9	83.1	83.1	83.1	83.1	83.3	83.7
IV 1800	4.7	69.1	77.8	79.7	80.0	82.7	83.0	83.2	83.3	83.4	83.6	83.6	83.6	83.6	83.9	84.2
IV 1500	6.6	71.2	81.3	83.2	83.6	86.3	86.6	86.8	86.9	87.0	87.1	87.1	87.1	87.1	87.4	87.8
IV 1200	6.1	72.9	83.7	85.7	86.1	88.8	89.1	89.2	89.3	89.4	89.6	89.6	89.6	89.6	89.9	90.2
IV 1000	6.4	73.3	84.6	86.6	86.9	89.7	89.9	9.1	90.2	90.3	90.4	90.4	90.4	90.4	91.8	91.1
IV 900	10.2	74.1	85.7	87.7	88.1	90.9	91.2	91.4	91.6	91.7	91.8	91.8	91.8	91.8	92.1	92.4
IV 800	7.8	75.7	86.9	88.9	89.3	92.2	92.6	92.8	92.9	93.0	93.1	93.1	93.1	93.1	93.4	93.8
IV 700	7.9	75.3	87.8	89.1	89.4	93.3	93.7	93.9	94.0	94.1	94.2	94.2	94.2	94.2	94.6	94.9
IV 600	1.2	75.8	88.2	9.4	89.9	93.8	94.2	94.4	94.6	94.7	94.9	94.9	94.9	94.9	95.2	95.6
IV 500	1.4	76.2	88.9	91.2	91.7	94.8	95.2	95.4	95.6	95.7	95.9	95.9	95.9	95.9	96.2	96.6
IV 400	1.4	76.2	89.0	91.7	92.1	95.7	96.4	96.7	96.8	96.9	97.1	97.1	97.1	97.1	97.4	97.8
IV 300	1.4	76.2	89.1	91.7	92.2	95.8	97.2	97.6	97.7	97.8	98.0	98.0	98.0	98.0	98.3	98.7
IV 200	1.4	76.2	89.1	91.7	92.2	95.8	97.3	97.7	97.9	98.1	98.3	98.3	98.3	98.3	98.7	99.6
IV 100	1.4	76.2	89.1	91.7	92.2	95.8	97.3	97.7	97.9	98.2	98.4	98.6	98.6	98.6	99.4	100.0
IV 0	1.4	76.2	89.0	91.7	92.2	95.8	97.3	97.7	97.9	98.2	98.4	98.6	98.6	98.6	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7571
STATION

ILDENHALL RAF K
STATION NAME

4-87
YEAR

1P
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

100-7500
HOURS PER MONTH

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
NO CEILING	27.0	25.3	30.2	31.7	31.4	33.1	33.4	33.9	34.3	34.3	34.3	34.6	34.7	34.7	34.7	34.6
≥ 20000	2.3	28.9	33.8	35.1	35.2	37.0	37.4	37.9	38.4	38.4	38.4	38.7	38.9	38.9	38.9	39.8
18000	2.0	27.0	34.0	35.3	35.4	37.2	37.7	38.1	38.8	38.8	38.8	39.0	39.2	39.2	39.2	40.1
16000	2.3	29.0	34.0	35.3	35.4	37.2	37.7	38.1	38.8	38.8	38.8	39.0	39.2	39.2	39.2	40.1
14000	2.3	29.0	34.0	35.3	35.4	37.2	37.7	38.1	38.8	38.8	38.8	39.0	39.2	39.2	39.2	40.1
12000	2.3	29.0	34.0	35.3	35.4	37.2	37.7	38.1	38.8	38.8	38.8	39.0	39.2	39.2	39.2	40.1
10000	2.6	29.3	34.4	35.8	35.9	37.9	38.3	38.8	39.4	39.4	39.4	39.7	39.9	39.9	39.9	40.8
9000	2.0	29.9	35.0	36.3	36.4	38.4	38.9	39.3	40.0	40.0	40.0	40.2	40.4	40.4	40.4	41.3
8000	2.0	30.9	39.8	41.1	41.2	42.4	42.7	43.3	44.0	44.0	44.0	44.2	44.4	44.4	44.4	45.3
7000	1.1	33.4	32.6	41.1	41.2	43.2	43.7	44.1	44.8	44.8	44.8	45.0	45.2	45.2	45.2	46.1
6000	1.4	33.0	41.1	41.7	41.9	43.9	44.3	44.8	45.4	45.4	45.4	45.7	45.9	45.9	45.9	46.8
5000	3.2	35.1	41.6	43.1	43.3	45.7	46.1	46.7	47.4	47.4	47.4	47.7	47.9	47.9	47.9	48.8
4500	3.4	37.7	44.0	46.6	46.8	49.1	49.6	50.1	50.9	50.9	50.9	51.1	51.3	51.3	51.3	52.2
4000	1.2	44.4	52.2	54.7	54.6	57.1	57.8	58.6	59.3	59.3	59.3	59.6	59.8	59.9	59.9	60.8
3500	4.3	47.3	55.8	57.9	58.1	61.4	61.9	62.7	63.4	63.4	63.4	63.7	63.9	64.0	64.0	64.9
3000	4.2	50.9	60.0	62.2	62.4	66.3	66.9	67.7	68.6	68.6	68.6	68.8	69.0	69.1	69.1	70.1
2500	1.4	55.1	64.2	66.8	67.0	70.9	71.6	72.3	73.2	73.2	73.2	73.6	73.8	73.9	73.9	74.9
2000	5.4	51.1	61.7	71.8	72.0	76.1	76.8	77.7	78.6	78.6	78.6	78.9	79.1	79.2	79.2	80.2
1800	5.0	59.7	69.6	72.7	72.9	77.0	77.7	78.6	79.4	79.4	79.4	79.8	80.0	80.1	80.1	81.1
1600	5.6	63.3	73.9	77.1	77.1	81.4	82.1	83.7	84.9	84.9	84.9	85.3	85.6	85.6	85.6	86.6
1400	5.2	64.3	75.3	78.6	78.8	83.1	83.8	84.7	85.6	85.6	85.6	85.9	86.1	86.2	86.2	87.2
1200	5.9	64.9	76.1	79.3	79.6	84.0	84.7	85.6	86.4	86.4	86.4	86.8	87.0	87.1	87.1	88.1
1000	1.2	51.6	76.9	80.1	80.3	84.8	85.4	86.3	87.2	87.2	87.2	87.6	87.8	87.9	87.9	88.9
900	1.6	66.0	77.6	81.9	81.0	85.6	86.6	87.4	88.3	88.3	88.3	88.7	88.9	89.1	89.1	90.0
800	1.7	66.1	77.8	81.0	81.2	85.9	87.0	87.9	88.8	88.8	88.8	89.1	89.3	89.4	89.4	90.4
700	2.4	66.9	78.9	82.3	82.6	87.9	89.1	90.1	90.9	90.9	90.9	91.3	91.6	91.7	91.7	92.7
600	2.4	66.9	79.2	83.1	83.3	88.9	90.1	91.0	91.9	91.9	91.9	92.3	92.7	92.8	92.8	93.8
500	2.4	67.0	80.1	84.3	84.6	90.2	92.7	94.1	95.1	95.1	95.1	95.5	95.8	96.1	96.2	97.2
400	2.4	67.0	80.1	84.3	84.6	90.2	92.7	94.1	95.1	95.1	95.1	95.5	95.8	96.1	96.2	97.2
300	2.4	67.0	80.1	84.3	84.6	90.2	92.7	94.1	95.1	95.1	95.1	95.5	95.8	96.1	96.2	97.2
200	2.4	67.0	80.1	84.3	84.6	90.2	92.7	94.1	95.1	95.1	95.1	95.5	95.8	96.1	96.2	97.2
100	2.4	67.0	80.1	84.3	84.6	90.2	92.7	94.1	95.1	95.1	95.1	95.5	95.8	96.1	96.2	97.2
0	2.4	67.0	80.1	84.3	84.6	90.2	92.7	94.1	95.1	95.1	95.1	95.5	95.8	96.1	96.2	97.2

TOTAL NUMBER OF OBSERVATIONS 970

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION ILDENHALL RAF K

4-67

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

100-5822

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10 516	≥8 229	≥6 164	≥4 109	≥3 76	≥2 53	≥1 33	≥1 24	≥1 16	≥1 10	≥1 6	≥1 3	≥1 2	≥1 1	≥1 0.5	≥0 0
NO CEILING		1.5	17.9	23.3	24.6	24.6	27.	28.	28.6	28.8	29.1	29.1	29.2	29.3	29.4	29.6
≥ 20000		23.0	23.	28.6	30.7	30.2	33.0	34.2	34.8	35.	35.3	35.3	35.4	35.6	35.7	35.8
≥ 18000		2.	24.1	28.9	37.6	30.6	33.3	34.6	35.1	35.3	35.7	35.7	35.8	35.9	36.7	36.1
≥ 16000		2.3	24.1	28.9	37.6	30.6	33.3	34.6	35.1	35.3	35.7	35.7	35.8	35.9	36.7	36.1
≥ 14000		2.3	24.1	28.9	37.6	30.6	33.3	34.6	35.	35.3	35.7	35.7	35.8	35.9	36.0	36.1
≥ 12000		23.	24.3	29.1	37.8	30.8	33.6	34.9	35.4	35.7	36.	36.7	36.7	36.2	36.3	36.4
≥ 10000		24.	25.7	30.7	32.3	32.3	35.1	36.4	37.	37.2	37.6	37.6	37.7	37.8	37.9	38.7
≥ 9000		2.4	25.7	31.8	33.4	33.4	36.2	37.7	38.2	38.4	38.8	38.8	38.9	39.	39.1	39.2
≥ 8000		2.1	27.3	34.1	35.7	35.9	39.1	40.7	41.2	41.6	41.9	41.9	42.7	42.1	42.2	42.3
≥ 7000		2.1	29.3	35.3	37.7	37.2	4.4	42.7	42.6	4.9	43.2	43.2	43.3	43.4	43.6	43.7
≥ 6000		2.7	3.0	36.1	38.	38.1	41.8	43.3	43.9	44.2	44.6	44.6	44.7	44.8	44.9	45.7
≥ 5000		30.	32.4	38.7	40.7	40.8	44.4	46.7	47.2	47.7	48.	48.1	48.2	48.3	48.4	48.6
≥ 4500		34.	36.9	43.8	45.9	46.1	50.0	52.2	52.4	53.4	53.8	53.9	54.7	54.1	54.2	54.3
≥ 4000		3.4	4.3	48.9	51.3	51.7	55.7	57.9	58.4	59.2	59.7	59.8	59.9	60.0	67.1	63.2
≥ 3500		3.2	45.	53.2	56.7	56.6	6.6	63.7	63.6	64.4	5.1	65.2	65.3	65.4	65.6	65.7
≥ 3000		4.0	48.1	57.	59.7	5.6	64.8	67.4	68.2	69.3	7.0	77.1	7.2	70.3	70.4	70.6
≥ 2500		4.8	51.1	60.1	63.1	63.8	68.1	7.8	71.6	72.7	73.3	73.4	73.6	73.7	73.8	73.9
≥ 2000		51.	55.6	64.7	67.8	68.4	72.8	75.4	76.3	77.4	78.1	78.2	78.3	78.4	78.6	78.7
≥ 1800		2.2	55.9	65.2	68.7	69.0	73.3	76.0	76.9	78.0	78.7	78.8	78.9	79.	79.1	79.2
≥ 1600		5.6	57.4	69.2	72.3	73.	77.3	80.0	80.9	82.0	82.7	82.9	83.0	83.1	83.2	83.3
≥ 1400		56.	6.8	77.9	74.1	74.8	79.3	82.2	83.2	84.4	85.1	85.2	85.4	85.6	85.7	85.8
≥ 1200		5.8	61.7	72.0	75.2	75.9	8.6	83.6	84.6	85.8	86.4	86.7	86.8	86.9	87.	87.1
≥ 1000		5.1	62.2	73.1	76.3	77.1	81.8	84.8	85.8	87.	87.7	87.9	88.7	88.1	88.2	88.3
≥ 900		5.4	62.7	74.2	77.4	78.2	83.2	86.3	87.3	88.6	89.2	89.4	89.6	89.7	89.8	89.9
≥ 800		5.7	63.	74.9	78.1	78.9	83.9	87.6	88.6	89.8	90.4	90.7	90.8	90.9	91.0	91.1
≥ 700		5.8	63.1	75.2	78.4	79.3	84.7	88.6	89.7	90.9	91.6	91.8	91.9	92.0	92.1	92.2
≥ 600		5.8	63.2	75.7	79.0	79.9	85.4	89.9	91.1	92.8	93.4	93.7	93.8	93.9	94.	94.1
≥ 500		5.8	63.2	75.8	79.2	80.1	85.7	90.6	92.0	94.1	94.8	95.	95.1	95.3	95.4	95.6
≥ 400		5.8	63.2	75.8	79.2	80.1	85.7	90.6	92.0	94.1	94.8	95.	95.1	95.3	95.4	95.6
≥ 300		5.8	63.2	75.8	79.2	80.1	85.7	90.6	92.0	94.1	94.8	95.	95.1	95.3	95.4	95.6
≥ 200		5.8	63.2	75.8	79.2	80.1	85.7	90.6	92.0	94.1	94.8	95.	95.1	95.3	95.4	95.6
≥ 100		5.8	63.2	75.8	79.2	80.1	85.7	90.6	92.0	94.1	94.8	95.	95.1	95.3	95.4	95.6
≥ 0		5.8	63.2	75.8	79.2	80.1	85.7	90.6	92.0	94.1	94.8	95.	95.1	95.3	95.4	95.6

TOTAL NUMBER OF OBSERVATIONS 972

USAF ETAC FORM 10-64 10-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
1577

STATION NAME
ILDENHALL RAF K

YEARS
4-87

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

707-170
HOURS TEST

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 P15	≥6 GE9	≥5 GE8	≥4 GE6	≥3 GE4	≥2 GE3	≥1 GE2	≥1 GE2	≥1 GE2	≥1 GE2	≥1 GE2	≥1 GE2	≥1 GE2	≥1 GE2	≥1 GE2	≥1 GE2
NO CEILING ≥ 20000		2.0	21.3	26.6	27.4	27.6	27.8	28.1	28.7	28.2	28.2	28.2	28.2	28.2	28.2	28.2
≥ 18000		2.6	28.3	32.1	33.0	33.1	33.3	33.7	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9
≥ 16000		2.6	28.3	32.1	33.0	33.1	33.3	33.7	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9
≥ 14000		2.6	28.3	32.1	33.0	33.1	33.3	33.7	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9
≥ 12000		2.7	28.4	32.2	33.1	33.2	33.4	33.8	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥ 10000		2.2	30.1	34.0	35.0	35.1	35.3	35.7	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
≥ 9000		2.2	30.2	34.1	35.1	35.2	35.4	35.8	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
≥ 8000		1.0	32.1	36.3	37.3	37.4	38.0	38.3	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
≥ 7000		2.3	33.4	37.7	38.7	38.8	39.3	39.7	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
≥ 6000		3.2	33.8	38.0	39.1	39.2	39.9	40.2	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
≥ 5000		3.3	34.8	39.4	41.7	41.1	42.0	42.4	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 4500		3.1	36.2	41.0	42.6	42.7	43.9	44.3	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
≥ 4000		2.4	41.3	46.3	48.1	48.2	49.4	49.9	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥ 3500		4.1	47.1	52.6	54.4	54.6	55.8	56.2	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 3000		5.2	57.6	63.1	65.1	65.2	66.4	66.9	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 2500		2.1	64.7	70.2	72.2	72.3	73.6	74.0	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 2000		6.8	71.4	77.1	79.2	79.3	80.7	81.1	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 1800		5.3	72.0	77.9	80.0	80.1	81.6	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 1500		3.2	76.0	82.7	85.7	85.2	86.9	87.3	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 1200		5.0	78.1	85.6	87.9	88.1	89.8	90.2	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1000		6.3	79.3	87.0	89.4	89.7	91.8	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 900		6.6	79.6	87.6	90.1	90.3	92.1	92.7	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 800		6.7	79.7	87.8	90.1	90.7	92.4	93.1	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 700		6.8	79.9	88.4	91.2	91.4	93.4	94.2	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 600		7.0	80.1	88.9	91.8	92.0	94.2	95.1	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 500		7.1	80.1	88.9	91.8	92.0	94.2	95.1	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 400		7.1	80.2	89.0	91.9	92.1	94.1	95.0	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 300		7.1	80.2	89.0	91.9	92.1	94.1	95.0	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 200		7.1	80.2	89.0	91.9	92.1	94.1	95.0	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 100		7.1	80.2	89.0	91.9	92.1	94.1	95.0	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 0		7.1	80.2	89.0	91.9	92.1	94.1	95.0	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0

TOTAL NUMBER OF OBSERVATIONS 920

GLOBAL CLIMATOLOGY BRANCH
ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION: WILDEHALL RAF UK

74-87

SPD
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1 0-1400
HOURS

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)														
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05
NO CEILING	1.0	21.6	22.8	23.1	23.1	23.2	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
≥ 20000	2.8	28.3	29.6	30.0	30.0	30.2	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4
≥ 18000	2.8	28.3	29.6	30.0	30.0	30.2	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4
≥ 16000	2.8	28.3	29.6	30.0	30.0	30.2	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4
≥ 14000	2.8	28.3	29.6	30.0	30.0	30.2	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4
≥ 12000	2.8	28.3	29.6	30.0	30.0	30.2	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4
≥ 10000	3.0	30.4	31.7	32.1	32.1	32.3	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
≥ 9000	3.0	31.1	32.3	32.8	32.8	33.0	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
≥ 8000	3.2	33.1	34.4	34.9	34.9	35.1	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
≥ 7000	3.2	33.4	35.1	35.7	35.7	35.9	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
≥ 6000	3.3	34.1	35.4	36.0	36.0	36.2	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
≥ 5000	3.2	36.0	37.8	38.3	38.3	38.6	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
≥ 4500	3.7	39.8	40.7	41.2	41.2	41.4	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
≥ 4000	4.6	46.4	48.9	49.4	49.4	49.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 3500	4.4	55.4	59.2	58.8	58.8	59.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 3000	6.6	70.8	73.9	74.4	74.4	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 2500	7.7	76.1	79.3	79.9	79.9	80.1	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 2000	8.1	81.7	85.6	86.1	86.1	86.6	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 1800	1.2	82.9	86.8	87.3	87.3	87.8	88.4	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 1500	3.7	85.6	89.2	90.9	90.9	91.3	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 1200	5.9	87.8	93.1	94.7	94.7	94.8	95.4	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1000	6.2	88.3	93.9	94.8	94.8	95.0	96.7	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 900	6.1	88.3	94.0	94.9	94.9	95.8	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 800	6.2	88.4	94.6	95.6	95.6	96.9	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 700	6.2	88.4	94.8	95.8	95.9	97.7	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 600	6.2	88.4	94.9	95.9	96.0	97.8	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 500	6.4	88.7	95.1	96.1	96.3	98.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	6.4	88.7	95.1	96.1	96.3	98.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	6.4	88.7	95.1	96.1	96.3	98.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	6.4	88.7	95.1	96.1	96.3	98.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	6.4	88.7	95.1	96.1	96.3	98.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	6.4	88.7	95.1	96.1	96.3	98.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 979

GLOBAL CLIMATOLOGY BRANCH
AF ETAC
AIR WEATHER SERVICE MAC

CEILING VERSUS VISIBILITY

1577
STATION

ILDENHALL RAF K
STATION NAME

4-87
YEARS

300
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1577-1700
HOURS (LT)

CEILING FEET	VISIBILITY: STATUTE MILES. OR (HUNDREDS OF METERS)															
	≥ 10 MI	26 GE	25 GE	24 GE	23 GE	22 GE	21 GE	20 GE	19 GE	18 GE	17 GE	16 GE	15 GE	14 GE	13 GE	12 GE
NO CEILING	23.6	23.6	24.7	25.0	25.0	25.1	25.2	25.2	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3
≥ 20000	2.4	32.7	31.1	34.8	34.8	34.9	35.0	35.0	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
≥ 18000	1.0	32.9	34.3	35.0	35.0	35.1	35.2	35.2	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
≥ 16000	12.0	32.9	34.3	35.0	35.0	35.1	35.2	35.2	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
≥ 14000	32.0	32.9	34.3	35.0	35.0	35.1	35.2	35.2	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
≥ 12000	72.0	33.1	34.6	35.2	35.2	35.3	35.4	35.4	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
≥ 10000	1.0	35.2	36.9	37.6	37.6	37.7	37.8	37.8	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
≥ 9000	35.0	3.9	37.6	38.2	38.2	38.3	38.4	38.4	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
≥ 8000	3.9	39.7	41.6	42.2	42.2	42.3	42.4	42.4	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 7000	7.9	4.1	42.0	42.7	42.7	42.8	42.9	42.9	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
≥ 6000	11.1	40.3	42.2	42.9	42.9	43.0	43.1	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 5000	42.0	43.0	44.9	45.7	45.7	45.8	45.9	45.9	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 4500	4.1	40.4	51.9	52.7	52.7	52.8	52.9	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 4000	5.7	59.1	61.7	62.4	62.4	62.7	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 3500	64.0	65.4	69.7	69.4	69.4	69.7	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 3000	66.7	77.4	81.7	81.4	81.4	81.7	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 2500	7.1	80.1	83.9	84.8	84.8	85.0	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 2000	7.2	81.2	81.3	89.3	89.3	89.7	90.0	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 1800	2.4	84.7	98.9	89.9	89.9	90.2	90.6	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 1500	5.8	87.0	91.8	92.8	92.8	93.3	93.7	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 1200	6.8	88.2	93.2	94.4	94.4	95.2	95.7	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1000	7.6	89.7	94.2	95.4	95.4	96.9	96.9	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 900	7.7	89.1	94.4	95.7	95.8	96.7	97.1	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 800	7.7	89.1	95.1	96.4	96.4	97.6	98.0	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 700	7.7	89.1	95.1	96.4	96.4	97.7	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 600	7.7	89.1	95.1	96.4	96.4	98.0	99.2	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	7.8	89.2	95.3	96.7	96.9	98.2	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	7.8	89.2	95.3	96.7	96.9	98.2	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	7.8	89.2	95.3	96.7	96.9	98.2	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	7.8	89.2	95.3	96.7	96.9	98.2	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	7.8	89.2	95.3	96.7	96.9	98.2	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	7.8	89.2	95.3	96.7	96.9	98.2	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1571 WILDEHALL RAF K
STATION STATION NAME

4-87 YEARS

Apr MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0-2000 HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS FEET)															
	≥10 1/16	≥9 1/8	≥8 1/4	≥7 3/8	≥6 1/2	≥5 3/4	≥4 1	≥3 1 1/4	≥2 1 1/2	≥1 1 3/4	≥1 2	≥1 2 1/4	≥1 2 1/2	≥1 2 3/4	≥1 3	≥1 3 1/4
NO CEILING	33.6	34.4	35.4	36.4	36.6	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
≥ 20000	42.7	43.7	45.6	46.2	46.2	46.6	46.8	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
≥ 18000	4.2	43.7	45.8	46.4	46.4	46.4	46.4	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 16000	4.2	43.7	45.8	46.4	46.4	46.4	46.4	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 14000	3.1	44.1	46.4	46.7	46.7	47.1	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 12000	3.1	44.1	46.4	46.7	46.7	47.1	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 10000	4.2	45.2	47.2	47.9	47.9	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥ 9000	4.2	45.2	47.2	47.9	47.9	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥ 8000	4.2	45.2	47.2	47.9	47.9	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥ 7000	4.2	45.2	47.2	47.9	47.9	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥ 6000	4.2	45.2	47.2	47.9	47.9	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥ 5000	1.1	52.2	55.7	55.9	55.9	56.3	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 4500	5.1	53.6	57.9	58.8	58.8	60.3	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 4000	4.2	53.6	57.9	58.8	58.8	60.3	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 3500	6.8	69.2	73.7	74.7	74.7	75.3	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 3000	4.2	75.7	81.4	81.4	81.4	82.1	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 2500	6.3	77.9	83.0	84.7	84.7	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 2000	7.9	81.7	87.0	88.7	88.7	89.0	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 1900	7.9	81.7	87.0	88.7	88.7	89.0	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 1800	7.9	81.7	87.0	88.7	88.7	89.0	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 1700	1.4	83.2	88.8	89.8	89.8	90.8	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 1600	2.4	84.4	90.9	92.2	92.2	93.4	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1500	3.4	85.6	92.2	93.7	93.7	95.1	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1400	3.4	85.6	92.2	93.7	93.7	95.1	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1300	3.4	85.6	92.2	93.7	93.7	95.1	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1200	3.4	85.6	92.2	93.7	93.7	95.1	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1100	3.4	85.6	92.2	93.7	93.7	95.1	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1000	3.4	85.6	92.2	93.7	93.7	95.1	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 900	3.4	85.6	92.2	93.7	93.7	95.1	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 800	3.4	85.6	92.2	93.7	93.7	95.1	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 700	3.4	85.6	92.2	93.7	93.7	95.1	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 600	3.4	85.6	92.2	93.7	93.7	95.1	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 500	3.4	85.6	92.2	93.7	93.7	95.1	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 400	3.4	85.6	92.2	93.7	93.7	95.1	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 300	3.4	85.6	92.2	93.7	93.7	95.1	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 200	3.4	85.6	92.2	93.7	93.7	95.1	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 100	3.4	85.6	92.2	93.7	93.7	95.1	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 0	3.4	85.6	92.2	93.7	93.7	95.1	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0

TOTAL NUMBER OF OBSERVATIONS 970

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
ETC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION ILDENHALL RAF K

4-67

1P

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

10-2370
HOURS 151

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10 5.1	≥9 4.9	≥8 4.3	≥7 4.6	≥6 4.4	≥5 4.4	≥4 4.3	≥3 4.3	≥2 4.3	≥1 4.3	≥1 4.3	≥1 4.3	≥1 4.3	≥1 4.3	≥1 4.3	≥1 4.3
NO. CEILING																
≥20000	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
≥18000	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
≥16000	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
≥14000	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
≥12000	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
≥10000	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
≥9000	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
≥8000	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
≥7000	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
≥6000	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
≥5000	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
≥4500	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
≥4000	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
≥3500	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
≥3000	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
≥2500	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
≥2000	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
≥1800	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
≥1500	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
≥1200	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
≥1000	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
≥900	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
≥800	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
≥700	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
≥600	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
≥500	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
≥400	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
≥300	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
≥200	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
≥100	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
≥0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0

TOTAL NUMBER OF OBSERVATIONS 220

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FEDERAL CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1571 ILDENHALL PAF K
 STATION STATION NAME

4-67 YEARS

AP MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOURS 1-1

CEILING FEET	VISIBILITY - STATUTE MILES OR (IN HUNDREDS OF METERS)															
	≥10 1.6	≥9 1.5	≥8 1.3	≥7 1.1	≥6 1.0	≥5 0.8	≥4 0.7	≥3 0.5	≥2 0.3	≥1 0.2	≥1 0.2	≥1 0.2	≥1 0.2	≥1 0.2	≥1 0.2	≥1 0.2
≥20000	26.7	27.7	31.3	31.7	31.1	31.9	32.3	32.4	32.6	32.6	32.6	32.7	32.7	32.8	32.9	32.9
≥18000	26.7	31.5	36.7	37.6	37.6	38.6	39.1	39.2	39.3	39.5	39.5	39.4	39.4	39.5	39.5	39.7
≥16000	32.1	33.6	36.8	37.7	37.8	38.8	39.1	39.3	39.5	39.5	39.5	39.6	39.6	39.7	39.9	39.9
≥14000	32.1	33.7	36.7	37.8	37.8	38.8	39.2	39.4	39.5	39.6	39.6	39.6	39.7	39.8	39.9	39.9
≥12000	32.1	33.8	36.9	37.8	37.9	38.9	39.3	39.5	39.7	39.7	39.7	39.8	39.8	39.9	40.0	40.0
≥10000	33.7	35.1	38.3	39.2	39.3	40.3	40.7	40.9	41.1	41.1	41.1	41.2	41.2	41.3	41.5	41.5
≥9000	33.9	35.6	39.1	39.9	40.0	41.7	41.4	41.6	41.8	41.8	41.8	41.9	41.9	42.0	42.1	42.1
≥8000	33.3	39.6	42.5	43.9	43.5	44.7	45.1	45.3	45.4	45.5	45.5	45.5	45.6	45.7	45.8	45.8
≥7000	33.1	40.4	43.3	44.4	44.5	45.6	46.7	46.2	46.4	46.4	46.5	46.5	46.5	46.6	46.8	46.8
≥6000	33.3	41.6	43.7	44.7	44.9	46.0	46.5	46.7	46.8	46.9	46.9	46.9	47.0	47.1	47.2	47.2
≥5000	33.2	41.6	45.9	47.1	47.2	48.5	49.1	49.2	49.4	49.4	49.5	49.5	49.6	49.6	49.8	49.8
≥4500	43.1	45.5	51.5	51.7	51.9	53.2	53.7	53.9	54.2	54.2	54.2	54.3	54.3	54.4	54.6	54.6
≥4000	43.0	52.7	57.3	59.4	58.9	60.4	61.1	61.2	61.4	61.5	61.5	61.6	61.6	61.7	61.9	61.9
≥3500	54.1	56.9	62.3	64.3	64.4	66.0	66.6	66.9	67.2	67.2	67.3	67.3	67.3	67.4	67.6	67.6
≥3000	54.6	64.1	71.2	71.8	72.0	73.1	74.4	74.7	75.0	75.1	75.1	75.1	75.2	75.3	75.4	75.4
≥2500	55.1	67.6	74.1	75.7	75.8	77.6	78.3	78.6	78.9	79.0	79.0	79.1	79.1	79.2	79.4	79.4
≥2000	55.6	72.2	79.1	81.8	81.7	82.9	83.7	84.1	84.3	84.4	84.4	84.5	84.5	84.6	84.8	84.8
≥1800	55.1	72.7	79.6	81.4	81.6	83.5	84.3	84.6	84.9	85.1	85.1	85.1	85.2	85.2	85.4	85.4
≥1500	57.7	75.5	82.9	84.8	85.0	86.9	87.7	88.0	88.4	88.5	88.5	88.6	88.6	88.7	88.9	88.9
≥1200	46.1	76.9	84.8	86.8	87.1	89.2	90.0	90.3	90.7	90.8	90.8	90.9	90.9	91.1	91.2	91.2
≥1000	74.9	77.8	86.2	88.2	88.5	90.7	91.5	91.9	92.2	92.3	92.4	92.4	92.5	92.6	92.8	92.8
≥900	55.2	78.2	86.8	88.8	89.1	91.4	92.3	92.6	93.1	93.1	93.1	93.1	93.3	93.3	93.5	93.5
≥800	55.5	79.7	87.6	89.8	90.1	92.4	93.4	93.8	94.2	94.3	94.3	94.4	94.4	94.5	94.7	94.7
≥700	55.8	78.8	79.9	90.2	90.6	93.0	94.3	94.7	95.0	95.1	95.2	95.2	95.3	95.4	95.6	95.6
≥600	55.8	79.1	88.3	90.7	91.1	93.7	95.2	95.6	96.0	96.2	96.2	96.3	96.3	96.4	96.6	96.6
≥500	55.9	79.2	88.6	91.1	91.4	94.3	95.9	96.4	96.9	97.0	97.1	97.1	97.2	97.3	97.5	97.5
≥400	55.9	79.2	88.8	91.3	91.7	94.6	96.5	97.1	97.7	97.8	97.9	98.0	98.1	98.1	98.3	98.3
≥300	55.9	79.2	88.8	91.3	91.7	94.7	96.8	97.6	98.3	98.4	98.5	98.6	98.6	98.8	99.0	99.0
≥200	55.9	79.2	88.8	91.3	91.7	94.7	96.8	97.7	98.4	98.6	98.8	98.9	99.2	99.3	99.7	99.7
≥100	55.9	79.2	88.8	91.3	91.7	94.7	96.8	97.7	98.4	98.6	98.8	98.9	99.2	99.5	100.0	100.0
≥0	55.9	79.2	88.8	91.3	91.7	94.7	96.8	97.7	98.4	98.6	98.8	98.9	99.2	99.5	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1300

LOCAL CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE

CEILING VERSUS VISIBILITY

1977

ILDENHALL RAF K

4-27

1977

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

100-1000
HOURS TEST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥1/64
≥20000	4.3	47.7	53.1	51.1	51.5	52.3	52.7	52.7	52.9	52.9	53.1	53.4	53.4	53.4	53.4	53.4
≥18000	4.1	51.2	54.7	55.7	56.1	56.9	57.3	57.3	57.5	57.5	57.6	57.7	58.1	58.1	58.1	58.1
≥16000	4.1	51.2	54.7	55.7	56.1	56.9	57.3	57.3	57.5	57.5	57.6	57.7	58.1	58.1	58.1	58.1
≥14000	4.1	51.2	54.7	55.7	56.1	56.9	57.3	57.3	57.5	57.5	57.6	57.7	58.1	58.1	58.1	58.1
≥12000	4.4	51.4	54.9	55.9	56.3	57.1	57.5	57.5	57.7	57.7	57.8	58.3	58.3	58.3	58.3	58.3
≥10000	4.1	52.2	55.9	56.9	57.3	58.1	58.5	58.5	58.7	58.7	58.8	58.9	59.3	59.3	59.3	59.3
≥8000	4.3	56.6	61.9	61.9	62.4	63.1	63.5	63.5	63.8	63.8	63.9	64.0	64.3	64.3	64.3	64.3
≥7000	5.1	57.3	62.1	63.4	63.9	64.6	65.1	65.1	65.3	65.3	65.4	65.5	65.8	65.8	65.8	65.8
≥6000	5.2	57.4	62.2	63.5	64.1	64.7	65.2	65.2	65.4	65.4	65.5	65.6	65.7	65.9	65.9	65.9
≥5000	5.8	60.1	65.1	66.5	66.9	67.6	68.1	68.1	68.3	68.3	68.4	68.5	68.8	68.8	68.8	68.8
≥4500	5.1	63.8	69.8	70.2	70.6	71.5	71.9	71.9	72.2	72.2	72.3	72.4	72.7	72.7	72.7	72.7
≥4000	5.4	68.4	73.8	75.5	75.9	76.6	77.3	77.3	77.5	77.5	77.6	77.7	78.1	78.1	78.1	78.1
≥3500	6.1	77.1	75.5	77.2	77.6	78.6	79.1	79.1	79.2	79.2	79.4	79.5	79.9	79.9	79.9	79.9
≥3000	1.1	74.3	82.2	82.2	82.5	83.8	84.1	84.1	84.2	84.2	84.3	84.4	84.8	84.8	84.8	84.8
≥2500	1.8	75.1	81.2	83.0	83.4	84.5	85.1	85.3	85.5	85.5	85.6	85.7	86.1	86.1	86.1	86.1
≥2000	4.3	77.6	84.0	85.8	86.2	87.4	88.0	88.2	88.4	88.4	88.5	88.6	89.1	89.1	89.1	89.1
≥1800	4.5	77.8	84.2	86.0	86.4	87.6	88.2	88.4	88.6	88.6	88.7	88.8	89.2	89.2	89.2	89.2
≥1500	5.5	78.8	85.7	87.5	88.1	89.1	89.9	90.1	90.3	90.3	90.4	90.5	91.1	91.1	91.1	91.1
≥1200	6.6	79.9	87.2	89.1	89.5	90.6	91.4	91.6	91.8	91.8	91.9	92.0	92.5	92.5	92.5	92.5
≥1000	7.1	80.4	87.7	89.6	90.1	91.2	92.3	92.5	92.7	92.7	92.8	92.9	93.3	93.3	93.3	93.3
≥900	7.1	80.4	87.7	89.6	90.1	91.2	92.3	92.5	92.7	92.7	92.8	92.9	93.3	93.3	93.3	93.3
≥800	7.1	80.4	87.7	89.6	90.1	91.2	92.3	92.5	92.7	92.7	92.8	92.9	93.3	93.3	93.3	93.3
≥700	7.4	81.1	89.1	91.1	91.5	92.7	93.9	94.1	94.3	94.3	94.4	94.5	94.9	94.9	94.9	94.9
≥600	7.5	81.2	89.4	91.5	92.1	93.3	94.5	94.7	94.9	94.9	95.1	95.2	95.6	95.6	95.6	95.6
≥500	7.6	81.3	89.9	92.2	92.7	94.5	96.1	96.5	96.8	96.8	96.9	97.1	97.4	97.4	97.4	97.4
≥400	7.6	81.3	89.9	92.2	92.7	94.5	96.1	96.5	96.8	96.8	96.9	97.2	97.2	97.3	97.3	97.3
≥300	7.6	81.3	89.9	92.2	92.7	94.5	96.1	96.5	96.8	96.8	96.9	97.2	97.2	97.3	97.3	97.3
≥200	7.6	81.3	89.9	92.2	92.7	94.5	96.1	96.5	96.8	96.8	96.9	97.2	97.2	97.3	97.3	97.3
≥100	7.6	81.3	89.9	92.2	92.7	94.5	96.1	96.5	96.8	96.8	96.9	97.2	97.2	97.3	97.3	97.3
≥0	7.6	81.3	89.9	92.2	92.7	94.5	96.1	96.5	96.8	96.8	96.9	97.2	97.2	97.3	97.3	97.3

TOTAL NUMBER OF OBSERVATIONS 92

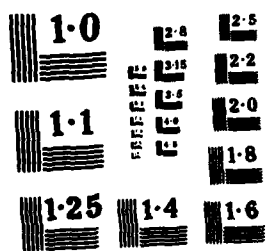
AD A146 915 WIDENHALL RAF UNITED KINGDOM REVISED UNIFORM SUMMARY
OF SURFACE WEATHER. (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A. APR 84
UNCLASSIFIED USAFETAC/DS 84/016 SBI-AD-E850 742 1/6 4/2

WILDENHALL RAF UNITED KINGDOM REVISED UNIFORM SUMMARY
OF SURFACE WEATHER. (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A. APR 84
USAFETAC/DS 84/016 SBI-AD-E850 742 1/G 4/2

3/5

F/G 4/2

NL



CLIMATOLGY BRANCH
ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 1577 HILDENHALL RAF K
STATION NAME

4-67 YEARS
MONTH

DAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

70-0500
HOURS

CEILING FEET	VISIBILITY: STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 5.0	≥6 3.0	≥5 2.5	≥4 2.0	≥3 1.5	≥2.5 1.0	≥2 0.8	≥1.5 0.6	≥1 0.4	≥0.8 0.3	≥0.6 0.2	≥0.4 0.1	≥0.3 0.1	≥0.2 0.05	≥0.1 0.02	≥0.05 0.01
NO CEILING		2.2	3.4	38.5	39.9	39.9	41.0	42.5	42.9	43.7	43.8	43.8	44.1	44.6	44.7	45.1
≥ 20000		3.0	37.2	43.1	44.6	44.6	46.7	47.2	47.6	48.4	48.5	48.5	48.7	49.4	49.5	49.8
≥ 18000		3.0	37.2	43.1	44.6	44.6	46.7	47.2	47.6	48.4	48.5	48.5	49.7	49.4	49.5	49.8
≥ 16000		3.0	37.2	43.1	44.6	44.6	46.7	47.2	47.6	48.4	48.5	48.5	49.7	49.4	49.5	49.8
≥ 14000		3.3	39.6	43.4	44.9	44.9	47.0	47.5	48.0	48.7	48.8	48.8	49.7	49.7	49.8	50.1
≥ 12000		3.3	39.6	43.4	44.9	44.9	47.0	47.5	48.0	48.7	48.8	48.8	49.7	49.7	49.8	50.1
≥ 10000		3.3	40.5	44.7	46.2	46.2	48.4	49.0	49.5	50.2	50.3	50.3	51.3	51.2	51.3	51.6
≥ 9000		3.4	40.8	44.9	46.5	46.5	48.6	49.2	49.7	50.4	50.5	50.5	51.8	51.4	51.5	51.8
≥ 8000		4.1	42.2	5.2	52.7	52.0	54.4	55.2	55.6	56.3	56.5	56.5	56.7	57.3	57.4	57.7
≥ 7000		2.3	45.6	51.2	53.1	53.1	55.5	56.2	56.7	57.5	57.5	57.5	57.6	58.0	58.6	59.7
≥ 6000		42.4	45.7	51.5	53.4	53.4	55.8	56.6	57.0	57.8	58.0	58.0	58.3	58.9	59.0	59.5
≥ 5000		4.3	43.7	54.7	56.8	56.8	59.5	6.2	6.6	61.7	61.9	61.9	62.3	62.9	63.0	63.4
≥ 4500		4.3	51.5	5.1	60.1	60.2	63.0	63.8	64.2	65.3	65.5	65.5	65.8	66.5	66.6	67.7
≥ 4000		53.0	57.5	65.5	67.6	67.7	70.9	1.7	72.2	73.3	73.5	73.5	73.9	74.5	74.6	75.1
≥ 3500		54.0	58.7	66.9	69.2	69.4	72.6	73.4	73.9	75.1	75.3	75.3	75.6	76.2	76.3	76.8
≥ 3000		5.4	61.4	7.2	72.7	72.8	76.2	77.1	77.6	78.8	79.0	79.0	79.4	80.0	80.1	80.5
≥ 2500		5.5	62.5	71.4	73.9	74.0	77.4	78.3	79.0	80.2	80.4	80.4	80.8	81.4	81.5	81.9
≥ 2000		0.1	64.1	73.4	75.9	76.2	79.6	80.4	81.3	82.5	82.7	82.7	83.0	83.7	83.8	84.2
≥ 1800		5.5	64.5	73.9	76.3	76.5	80.0	80.9	81.7	82.9	83.1	83.1	83.4	84.1	84.2	84.6
≥ 1500		2.2	66.5	76.9	79.4	79.5	83.0	84.0	84.8	86.0	86.2	86.2	86.6	87.2	87.3	87.7
≥ 1200		3.1	67.7	78.6	81.1	81.2	85.1	86.1	87.0	88.2	88.4	88.4	88.7	89.4	89.5	89.9
≥ 1000		4.3	69.7	80.0	82.5	82.6	86.5	87.5	88.4	89.7	89.9	89.9	9.2	90.9	91.0	91.4
≥ 900		4.5	6.2	80.5	83.0	83.1	87.0	88.3	89.2	9.5	90.8	90.8	91.1	91.7	91.8	92.3
≥ 800		5.1	69.8	81.3	83.9	84.0	88.0	89.2	90.2	91.5	91.7	91.7	92.0	92.7	92.8	93.2
≥ 700		5.2	7.7	81.7	84.5	84.6	88.6	9.0	91.0	92.3	92.5	92.5	92.8	93.4	93.5	94.0
≥ 600		5.2	7.0	81.8	84.8	84.9	89.2	9.6	91.6	93.0	93.2	93.2	9.5	94.2	94.3	94.7
≥ 500		5.2	70.3	81.9	84.9	85.1	89.4	91.3	92.3	93.7	93.9	93.9	94.2	94.8	94.9	95.4
≥ 400		5.2	70.0	82.0	85.4	85.5	90.4	92.6	93.7	95.1	95.3	95.3	95.6	96.2	96.3	96.8
≥ 300		5.2	7.0	82.2	85.6	85.7	90.8	93.8	94.9	96.7	96.9	96.9	97.2	97.8	98.0	98.4
≥ 200		5.2	7.7	82.2	85.6	85.7	9.9	94.1	95.4	97.5	97.7	97.7	98.2	99.0	99.1	99.6
≥ 100		5.2	7.0	82.2	85.6	85.7	9.9	94.1	95.4	97.5	97.8	97.8	98.3	99.1	99.2	99.7
≥ 0		5.2	70.0	82.2	85.6	85.7	9.9	94.1	95.4	97.5	97.8	97.8	98.3	99.1	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 730

GLOBAL CLIMATOLOGY BRANCH
ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7571
STATION

ILDENHALL RAF K
STATION NAME

4-87
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

00-0000
HOURS UTC

CEILING FEET	VISIBILITY - STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 1.9	≥6 GE97	≥5 GE91	≥4 GE67	≥3 GE48	≥2.5 GE44	≥2 GE32	≥1.5 GE24	≥1 GE12	≥1 GE16	≥.5 GE12	≥.5 GE10	≥.5 GE03	≥.5 GE05	≥.5 GE04	≥0 GE00
NO CEILING	2.3	29.4	32.9	34.2	34.3	35.2	35.6	35.7	36.1	36.2	36.3	36.3	36.3	36.3	36.3	36.8
≥ 20000	31.7	34.4	38.4	39.8	39.9	40.8	41.3	41.4	41.8	41.9	42.0	42.0	42.2	42.2	42.2	42.5
≥ 18000	3.0	34.5	31.5	39.9	40.0	40.9	41.4	41.5	41.9	42.0	42.2	42.2	42.2	42.2	42.2	42.6
≥ 16000	3.1	34.5	33.5	39.9	40.0	40.9	41.4	41.5	41.9	42.0	42.2	42.2	42.2	42.2	42.2	42.6
≥ 14000	2.2	35.1	39.0	40.4	40.5	41.4	41.9	42.0	42.5	42.6	42.7	42.7	42.7	42.7	42.7	43.1
≥ 12000	2.4	35.3	39.2	4.6	40.8	41.6	42.2	42.3	42.7	42.8	42.9	42.9	42.9	42.9	42.9	43.3
≥ 10000	3.3	36.7	41.0	42.5	42.7	43.7	44.2	44.3	44.7	44.8	44.9	44.9	44.9	44.9	44.9	45.4
≥ 9000	3.2	34.3	42.9	44.4	44.6	45.6	46.1	46.2	46.7	46.8	46.9	46.9	46.9	46.9	46.9	47.3
≥ 8000	3.7	43.0	47.8	50.5	50.8	51.9	52.5	52.7	53.1	53.2	53.3	53.3	53.3	53.3	53.3	53.8
≥ 7000	1.0	44.3	51.1	51.9	52.0	53.2	53.8	54.1	54.5	54.6	54.7	54.7	54.7	54.7	54.7	55.4
≥ 6000	1.5	44.8	5.6	52.4	52.6	54.1	54.6	54.9	55.4	55.5	55.6	55.6	55.6	55.6	55.6	56.2
≥ 5000	4.2	46.1	52.5	54.7	54.9	56.3	57.1	57.5	58.2	58.3	58.4	58.4	58.4	58.4	58.4	59.0
≥ 4500	4.1	40.6	56.1	58.4	58.6	60.4	61.2	61.6	62.3	62.4	62.5	62.5	62.5	62.5	62.5	63.1
≥ 4000	5.1	5.3	62.7	65.3	65.5	67.7	68.7	69.1	69.8	69.9	7.0	70.0	70.0	70.0	70.0	70.6
≥ 3500	5.3	57.6	65.5	69.1	69.1	70.6	71.8	72.3	72.9	73.0	73.1	73.1	73.1	73.1	73.1	73.8
≥ 3000	5.7	6.5	69.0	71.7	72.7	74.9	75.7	76.1	77.1	77.4	77.5	77.5	77.5	77.5	77.5	78.2
≥ 2500	5.1	62.2	7.6	73.3	73.7	76.1	77.3	77.7	78.9	79.0	79.1	79.1	79.1	79.1	79.1	79.8
≥ 2000	0.5	64.9	73.9	76.8	77.1	79.6	8.8	81.2	82.4	82.5	82.7	82.7	82.7	82.7	82.7	83.3
≥ 1800	50.3	6.3	74.2	77.1	77.4	79.9	81.1	81.5	82.7	82.8	83.0	83.0	83.0	83.0	83.0	83.7
≥ 1500	2.4	67.0	76.8	79.9	80.2	82.9	84.2	84.6	85.8	85.9	86.1	86.1	86.1	86.1	86.1	86.8
≥ 1200	63.3	68.6	79.6	82.8	83.1	85.9	87.2	87.6	88.8	88.9	89.1	89.1	89.1	89.1	89.1	89.8
≥ 1000	4.7	69.9	81.5	85.1	85.4	88.3	89.6	9.0	91.2	91.3	91.5	91.5	91.5	91.5	91.5	92.2
≥ 900	64.7	70.1	81.9	85.7	86.0	89.1	9.4	91.9	92.7	92.2	92.4	92.4	92.4	92.4	92.4	93.0
≥ 800	5.4	70.6	82.7	86.8	87.2	90.5	91.8	92.3	93.5	93.7	93.9	93.9	93.9	93.9	93.9	94.5
≥ 700	5.7	71.1	83.1	87.5	88.0	91.4	92.7	93.1	94.4	94.5	94.7	94.7	94.7	94.7	94.7	95.4
≥ 600	5.7	71.1	83.3	87.8	88.3	91.8	93.1	93.5	95.3	95.4	95.7	95.7	95.7	95.7	95.7	96.3
≥ 500	5.7	71.1	83.4	88.1	88.4	92.2	93.8	94.3	96.0	96.2	96.6	96.6	96.6	96.6	96.6	97.2
≥ 400	55.9	71.2	83.5	88.2	88.6	92.6	94.3	95.1	96.8	97.0	97.3	97.3	97.3	97.4	97.4	98.1
≥ 300	55.8	71.2	83.5	88.2	88.6	92.6	94.4	95.5	97.3	97.5	97.8	97.8	97.8	97.8	97.8	98.6
≥ 200	55.8	71.2	83.7	88.3	88.7	92.7	94.4	95.7	97.7	98.1	98.5	98.7	98.9	98.9	98.9	99.6
≥ 100	55.8	71.2	83.7	88.3	88.7	92.7	94.8	95.7	97.7	98.1	9.5	98.7	98.9	98.9	98.9	99.9
≥ 0	55.9	71.2	83.7	88.3	88.7	92.7	94.8	95.7	97.7	98.1	98.5	98.7	99.0	99.0	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 93

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
ATMOSPHERIC SERVICE/MAC

CEILING VERSUS VISIBILITY

1577
STATION

WILDENHALL PAF K
STATION NAME

14-83
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

000-100
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES) OR (HUNDREDS OF METERS)															
	≥10 515	≥6 310	≥5 259	≥4 201	≥3 152	≥2.5 122	≥2 91	≥1.5 76	≥1 61	≥0.75 48	≥0.5 40	≥0.25 20	≥0.15 15	≥0.1 10	≥0.05 5	≥0.01 1
NO CEILING		27.0	27.7	29.7	31.7	35.1	37.3	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
≥ 20000		3.4	34.6	36.9	37.7	37.3	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
N 18000			3.4	34.6	36.9	37.2	37.3	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
N 16000			3.4	34.6	36.9	37.2	37.3	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
N 14000			3.3	34.8	37.1	37.4	37.5	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
N 12000			3.2	3.4	37.6	38.0	38.1	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
N 10000			3.2	36.3	38.7	39.0	39.1	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
N 9000			3.1	33.3	4.8	41.1	41.2	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
N 8000			2.1	41.7	44.8	45.2	45.3	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
N 7000			2.4	44.0	47.3	47.6	47.7	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
N 6000			4.1	46.8	51.1	51.6	51.7	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
N 5000			4.1	46.8	51.1	51.6	51.7	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
N 4500			4.3	5.0	54.7	55.0	55.5	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
N 4000			4.2	55.9	61.1	62.0	62.2	62.5	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
N 3500			5.5	65.2	65.8	66.8	66.9	67.4	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
N 3000			6.7	70.0	76.3	77.3	77.4	78.1	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
N 2500			2.4	74.6	8.8	81.7	81.8	82.5	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
N 2000			6.6	79.4	85.9	86.9	87.0	87.6	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
N 1800			7.6	80.5	87.1	88.1	88.2	88.8	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7
N 1500			0.2	83.7	90.3	91.4	91.5	92.2	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0
N 1200			1.8	8.6	93.4	94.6	94.7	95.4	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3
N 1000			2.4	86.3	94.5	95.8	95.9	96.6	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5
N 900			2.4	86.3	94.9	96.2	96.3	97.0	97.8	98.0	98.1	98.1	98.1	98.1	98.1	98.1
N 800			2.4	86.3	95.1	96.5	96.6	97.2	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4
N 700			2.4	86.3	95.2	96.6	96.8	97.4	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7
N 600			2.4	86.3	95.2	96.9	97.1	97.7	98.8	98.9	99.1	99.1	99.2	99.2	99.2	99.2
N 500			2.4	86.3	95.3	97.0	97.1	97.8	99.0	99.1	99.5	99.7	99.8	99.8	99.8	99.8
N 400			2.4	86.3	95.3	97.0	97.2	97.8	99.1	99.2	99.6	99.8	99.9	99.9	99.9	99.9
N 300			2.4	86.3	95.3	97.0	97.2	97.8	99.2	99.4	99.7	99.9	100.0	100.0	100.0	100.0
N 200			2.4	86.3	95.3	97.0	97.2	97.8	99.2	99.4	99.7	99.9	100.0	100.0	100.0	100.0
N 100			2.4	86.3	95.3	97.0	97.2	97.8	99.2	99.4	99.7	99.9	100.0	100.0	100.0	100.0
N 0			2.4	86.3	95.3	97.0	97.2	97.8	99.2	99.4	99.7	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

CLIMATE CLIMATOLOGY BRANCH
 AFETAC
 WEATHER SERVICE: MAC

CEILING VERSUS VISIBILITY

STATION: ILDENHALL DAF K

4-81

4-81

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1-7-1977
 HOURS: 151

CEILING FEET	VISIBILITY: STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 MI	≥6 SE	≥5 GE	≥4 GE	≥3 GE	≥2.5 GE	≥2 GE	≥1.5 GE	≥1 GE	≥0.5 GE	≥0.25 GE	≥0.1 GE	≥0.05 GE	≥0.025 GE	≥0.01 GE	≥0.005 GE
NO CEILING		2.0	27.4	28.4	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5
≥ 20000		3.0	34.5	35.5	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
≥ 18000		3.0	3.5	35.5	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
≥ 16000		3.0	34.5	35.5	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
≥ 14000		3.1	34.6	35.6	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
≥ 12000		34.1	35.3	36.2	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
≥ 10000		3.5	36.1	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
≥ 9000		3.0	36.7	3.6	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
≥ 8000		3.4	4.3	41.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
≥ 7000		1.5	47.3	43.3	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
≥ 6000		41.5	42.4	43.4	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
≥ 5000		14.0	45.4	46.7	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 4500		4.4	50.2	50.6	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 4000		5.7	57.5	59.1	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 3500		3.7	64.6	66.5	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 3000		7.2	79.1	81.1	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 2500		3.0	84.1	86.1	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 2000		8.0	89.1	91.7	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 1800		8.3	87.7	92.0	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 1500		1.2	92.5	94.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1200		1.1	93.4	95.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1000		14.4	94.2	96.7	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 900		0.6	94.4	96.9	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 800		1.6	94.4	96.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 700		1.6	94.4	96.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 600		1.6	94.4	96.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 500		1.6	94.4	96.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 400		1.6	94.4	96.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 300		1.6	94.4	96.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 200		1.6	94.4	96.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 100		1.6	94.4	96.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 0		71.6	94.4	96.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7577
STATION

ILDENHALL PAF K
STATION NAME

14-83
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1770-1770
HOURS (LST)

CEILING FEET	VISIBILITY - STATUTE MILES OR (IN HUNDREDS OF METERS)															
	≥10 215	≥8 GE97	≥6 GE93	≥4 GE67	≥3 GE48	≥2 GE44	≥2 GE33	≥1 1/2 GE24	≥1 GE22	≥1 GE16	≥1 GE14	≥1 GE10	≥1 GE08	≥1 GE05	≥1 GE04	≥1 GE03
NO CEILING ≥ 20000		27.0	27.2	30.3	37.3	47.3	56.9	67.3	75.4	81.7	86.1	89.0	91.7	92.6	93.5	94.2
IV 18000 IV 6000		36.1	37.0	38.1	39.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
IV 14000 IV 12000		37.0	37.2	37.3	39.4	39.4	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
IV 10000 IV 9000		37.1	37.3	39.4	39.4	38.3	39.4	39.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
IV 8000 IV 7000		37.5	37.7	39.5	39.7	39.7	39.7	39.7	39.7	39.0	39.0	39.0	39.0	39.0	39.0	39.0
IV 6000 IV 5000		37.7	38.0	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
IV 4500 IV 4000		37.8	39.2	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
IV 3500 IV 3000		37.9	39.4	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
IV 2500 IV 2000		38.0	40.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
IV 1800 IV 1500		38.1	40.6	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
IV 1200 IV 1000		38.2	40.6	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 900 IV 800		38.3	40.6	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 700 IV 600		38.4	40.6	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 500 IV 400		38.5	40.6	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 300 IV 200		38.6	40.6	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 100 IV 0		38.7	40.6	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3

TOTAL NUMBER OF OBSERVATIONS 932

GLOBAL CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1577
 STATION

ILDENHALL RAF K
 STATION NAME

4-83
 YEARS

MAY
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

10-2000
 HOURS (LT)

CEILING FEET	VISIBILITY (STATUTE MILES)																OR (HUNDREDS OF METERS)			
	≥10 MI	≥6 MI	≥5 MI	≥4 MI	≥3 MI	≥2.5 MI	≥2 MI	≥1.5 MI	≥1 MI	≥0.75 MI	≥0.5 MI	≥0.25 MI	≥0.1 MI	≥0.05 MI	≥0.025 MI	≥0.01 MI	≥0.005 MI	≥0.0025 MI	≥0.001 MI	≥0.0005 MI
NO CEILING		47.5	41.3	42.4	42.4	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 20000		47.5	40.8	51.2	51.3	71.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 18000		47.5	50.1	51.5	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 16000		47.5	51.1	51.5	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 14000		47.5	51.1	51.5	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 12000		47.5	51.1	51.5	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 10000		47.5	51.1	51.5	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 9000		47.5	51.1	51.5	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 8000		47.5	51.1	51.5	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 7000		47.5	51.1	51.5	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 6000		47.5	51.1	51.5	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 5000		47.5	51.1	51.5	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 4500		47.5	51.1	51.5	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 4000		47.5	51.1	51.5	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 3500		47.5	51.1	51.5	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 3000		47.5	51.1	51.5	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 2500		47.5	51.1	51.5	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 2000		47.5	51.1	51.5	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 1800		47.5	51.1	51.5	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 1500		47.5	51.1	51.5	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 1200		47.5	51.1	51.5	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 1000		47.5	51.1	51.5	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 900		47.5	51.1	51.5	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 800		47.5	51.1	51.5	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 700		47.5	51.1	51.5	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 600		47.5	51.1	51.5	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 500		47.5	51.1	51.5	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 400		47.5	51.1	51.5	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 300		47.5	51.1	51.5	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 200		47.5	51.1	51.5	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 100		47.5	51.1	51.5	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 0		47.5	51.1	51.5	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
AFETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

57 ILDENHALL RAF K

4-57

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

10-2300
HOURS (EST)

CEILING FEET	VISIBILITY: STATUTE MILES															
	1/2	3/8	5/8	1	1 1/8	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4
≥ 20000	4.0	47.4	57.0	57.9	51.1	51.5	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.8	51.9
≥ 18000	1.1	52.4	54.9	55.9	56.1	56.8	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.1	57.1
≥ 16000	1.1	52.4	54.9	55.9	56.1	56.8	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.1	57.1
≥ 14000	1.5	52.8	55.4	56.3	56.6	57.2	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.5	57.5
≥ 12000	1.7	53.3	55.6	56.6	56.8	57.4	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.7	57.7
≥ 10000	3.0	54.6	57.3	58.3	58.5	59.1	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.5	59.5
≥ 9000	3.4	55.1	57.7	58.7	58.9	59.6	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.9	59.9
≥ 8000	5.6	59.6	61.6	62.9	62.8	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.9	63.9
≥ 7000	5.3	59.1	62.3	63.2	63.4	64.2	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.5	64.5
≥ 6000	5.8	59.7	62.8	63.8	64.1	64.7	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	65.1	65.1
≥ 5000	6.3	63.0	66.6	67.5	67.7	68.5	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.8	68.8
≥ 4500	4.6	67.1	71.0	71.9	72.2	72.9	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.2	73.2
≥ 4000	5.5	73.2	77.6	78.8	79.0	79.7	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.1	80.1
≥ 3500	4.8	77.5	82.2	83.3	83.5	84.3	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.6	84.6
≥ 3000	5.1	82.3	87.4	88.6	88.8	89.6	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.9	89.9
≥ 2500	1.2	83.9	88.6	89.8	90.0	91.1	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.4	91.4
≥ 2000	5.5	85.2	90.0	91.2	91.4	92.4	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.9	92.9
≥ 1800	2.8	85.5	90.3	91.5	91.7	92.7	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.2	93.2
≥ 1500	3.1	85.9	90.8	91.9	92.2	93.3	93.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.9	93.9
≥ 1200	3.0	86.8	92.0	93.2	93.4	94.6	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.2	95.2
≥ 1000	4.8	87.6	93.1	94.3	94.5	95.7	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.2	96.2
≥ 900	4.8	87.7	93.3	94.6	94.8	96.0	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.7	96.7
≥ 800	4.9	87.8	93.7	95.2	95.4	96.6	96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.4	97.4
≥ 700	5.1	88.0	94.1	95.7	95.9	97.3	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.3	98.3
≥ 600	5.1	88.0	94.2	95.8	96.0	97.5	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.6	98.6
≥ 500	5.2	88.1	94.4	96.0	96.2	98.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8
≥ 400	5.1	88.1	94.4	96.0	96.2	98.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8
≥ 300	5.2	88.1	94.4	96.0	96.2	98.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8
≥ 200	5.2	88.1	94.4	96.0	96.2	98.1	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9
≥ 100	5.2	88.1	94.4	96.0	96.2	98.1	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9
≥ 0	5.2	88.1	94.4	96.0	96.2	98.1	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

3577
STATION

ILDENHALL RAF K
STATION NAME

14-27
YEARS

JULY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

000-7 00
HOURS (UT)

CEILING FEET	VISIBILITY STATUTE MILES															
	200 GE1	200 GE2	200 GE3	200 GE4	200 GE5	200 GE6	200 GE7	200 GE8	200 GE9	200 GE10	200 GE11	200 GE12	200 GE13	200 GE14	200 GE15	200 GE16
> 20000	1.2	3.4	4.3	4.7	4.3	4.5	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
> 18000	1.9	4.2	4.6	4.7	4.7	4.9	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
> 16000	1.9	4.2	4.6	4.7	4.7	4.9	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
> 14000	1.9	4.2	4.6	4.7	4.7	4.9	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
> 12000	1.9	4.2	4.6	4.7	4.7	4.9	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
> 10000	1.3	4.3	4.7	4.8	4.8	5.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
> 9000	1.3	4.4	4.9	5.0	5.0	5.2	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
> 8000	4.4	4.9	5.4	5.5	5.5	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
> 7000	4.2	4.9	5.4	5.5	5.5	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
> 6000	4.2	4.9	5.4	5.5	5.5	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
> 5000	4.2	4.9	5.4	5.5	5.5	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
> 4500	4.4	5.0	5.5	5.6	5.6	5.9	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
> 4000	4.4	5.0	5.5	5.6	5.6	5.9	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
> 3500	3.3	6.6	7.3	7.4	7.5	7.9	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
> 3000	3.3	6.6	7.3	7.4	7.5	7.9	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
> 2500	6.1	7.0	7.7	7.9	7.9	8.2	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
> 2000	6.2	7.3	8.1	8.2	8.2	8.6	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
> 1800	1.1	7.4	8.2	8.3	8.4	8.7	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
> 1500	2.9	7.6	8.3	8.5	8.5	8.9	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
> 1200	3.7	7.7	8.4	8.6	8.7	8.9	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
> 1000	4.3	7.7	8.5	8.7	8.7	9.0	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
> 900	5.1	7.8	8.6	8.8	8.8	9.1	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
> 800	5.7	7.9	8.7	8.9	8.9	9.2	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3
> 700	6.1	8.2	8.9	9.1	9.1	9.3	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
> 600	6.4	8.6	9.1	9.3	9.3	9.5	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
> 500	6.6	8.7	9.2	9.4	9.4	9.6	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
> 400	6.6	8.7	9.2	9.4	9.4	9.6	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
> 300	6.6	8.7	9.2	9.4	9.4	9.6	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
> 200	6.6	8.7	9.2	9.4	9.4	9.6	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
> 100	6.6	8.7	9.2	9.4	9.4	9.6	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
> 0	6.6	8.7	9.2	9.4	9.4	9.6	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7

TOTAL NUMBER OF OBSERVATIONS 700

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
ETAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

15-71
STATION

ILSENHALL RAF K
STATION NAME

4-27
DATE

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

100-500
HOURS (EST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥1/64
NO CEILING	2.2	24.3	7.3	31.2	11.8	33.7	34.9	35.9	36.2	36.7	36.8	36.8	36.8	36.9	37.2	37.2
≥20000	2.3	24.7	34.1	36.1	36.7	38.1	39.9	4.7	41.6	42.1	42.2	42.2	42.3	42.7	42.7	42.7
≥18000	2.1	22.0	34.1	35.1	36.7	33.1	35.9	40.7	41.6	42.1	42.2	42.2	42.3	42.7	42.7	42.7
≥16000	2.3	24.7	34.1	36.1	36.7	38.1	39.9	4.7	41.6	42.1	42.2	42.2	42.3	42.7	42.7	42.7
≥14000	2.3	24.7	34.1	36.1	36.7	38.1	39.9	4.7	41.6	42.1	42.2	42.2	42.3	42.7	42.7	42.7
≥12000	2.3	24.7	34.1	36.1	36.7	38.1	39.9	4.7	41.6	42.1	42.2	42.2	42.3	42.7	42.7	42.7
≥10000	2.4	29.2	35.7	37.7	38.3	39.8	41.8	42.3	43.7	44.4	44.6	44.6	44.7	45.1	45.1	45.1
≥9000	2.0	29.9	3.3	38.4	39.1	40.6	42.6	43.6	44.4	45.2	45.3	45.3	45.4	45.8	45.8	45.8
≥8000	2.1	33.2	4.4	42.9	43.1	45.7	47.6	48.6	49.6	50.3	50.4	50.4	50.6	50.9	50.9	50.9
≥7000	2.1	3.1	42.7	45.1	45.7	47.3	5.7	51.7	52.0	2.8	52.9	52.9	53.0	53.3	53.3	53.3
≥6000	2.4	35.7	43.2	45.6	46.2	47.9	5.6	51.6	52.6	53.3	53.4	53.4	53.6	53.9	53.9	53.9
≥5000	35.1	33.9	46.6	48.9	49.6	51.2	53.9	54.9	56.1	56.8	56.9	56.9	57.1	57.4	57.4	57.4
≥4500	3.8	11.4	51.9	54.2	55.0	57.0	59.8	60.9	62.1	62.9	63.1	63.7	63.2	63.6	63.6	63.6
≥4000	4.1	4.1	57.6	59.9	60.7	2.9	65.8	66.9	68.4	69.2	69.3	69.3	69.6	69.9	69.9	69.9
≥3500	4.7	51.9	51.1	67.4	64.3	67.1	71.2	71.3	72.7	73.1	73.8	73.8	74.0	74.3	74.3	74.3
≥3000	4.8	54.4	64.2	67.2	68.1	71.1	74.6	75.7	77.2	78.1	78.2	78.2	78.4	78.7	78.8	78.8
≥2500	5.1	55.6	65.4	68.7	69.6	72.4	76.1	77.1	78.7	79.6	79.7	79.7	79.9	8.2	80.2	80.2
≥2000	5.2	57.1	67.9	71.1	72.0	74.9	78.4	79.6	81.1	82.1	82.1	82.1	82.3	82.7	82.7	82.7
≥1800	3.1	57.9	68.2	71.4	72.3	75.2	78.8	79.9	81.4	82.3	82.4	82.4	82.7	83.1	83.0	83.0
≥1500	5.6	6.3	77.8	74.7	74.9	77.8	81.4	82.6	84.1	85.1	85.2	85.2	85.4	85.8	85.8	85.8
≥1200	5.6	62.3	73.2	75.6	77.4	8.4	84.3	85.4	87.2	88.1	88.2	88.2	88.4	88.8	88.8	88.8
≥1000	5.1	63.0	74.1	77.6	78.4	81.4	85.3	86.4	88.2	89.1	89.2	89.2	89.4	89.8	89.8	89.8
≥900	5.1	67.9	75.0	78.4	79.3	82.3	86.2	87.3	89.1	9.7	92.1	92.1	92.3	92.7	92.7	92.7
≥800	5.9	64.7	75.9	79.4	80.3	83.1	87.6	88.9	90.7	91.6	91.7	91.7	91.9	92.2	92.2	92.2
≥700	5.4	65.3	76.7	8.3	81.2	84.6	88.7	9.7	92.1	93.0	93.1	93.1	93.3	93.7	93.7	93.7
≥600	0.4	65.4	77.1	8.8	81.7	85.1	89.2	9.7	92.8	93.7	93.8	93.8	94.0	94.3	94.3	94.3
≥500	0.4	65.4	77.4	81.2	82.1	85.8	9.2	91.8	94.1	94.9	95.1	95.1	95.2	95.6	95.6	95.6
≥400	0.4	6.4	77.4	81.3	82.2	86.1	90.8	92.6	95.0	95.9	96.1	96.1	96.3	96.8	96.8	96.8
≥300	0.4	65.4	77.4	81.3	82.2	8.1	91.0	93.0	95.4	96.3	96.6	96.7	97.0	97.4	97.4	97.4
≥200	0.4	65.4	77.4	81.3	82.2	86.1	91.2	93.3	96.0	96.9	97.3	97.6	98.0	98.7	98.9	98.9
≥100	0.4	65.4	77.4	81.3	82.2	86.1	91.2	93.3	96.1	96.9	97.3	97.6	98.2	99.2	99.6	99.6
≥0	0.4	65.4	77.4	81.3	82.2	86.1	91.2	93.3	96.1	96.9	97.3	97.6	98.2	99.3	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 300

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 AFETAC
 WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

757

ILDENHALL RAF

14-87

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

00-0000
 HOURS 1-24

CEILING FEET	VISIBILITY: STATUTE MILES OR HUNDREDS OF METERS															
	≥10 2.5	≥9 2.3	≥8 2.0	≥7 1.8	≥6 1.6	≥5 1.4	≥4 1.2	≥3 1.0	≥2 0.8	≥1 0.6	≥0.5 0.5	≥0.4 0.4	≥0.3 0.3	≥0.2 0.2	≥0.1 0.1	≥0.05 0.05
NO CEILING	2.3	24.6	27.4	31.4	31.6	32.7	33.6	33.7	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8
≥ 20000	7.8	37.7	36.0	33.7	38.2	39.4	41.3	41.4	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 18000	7.9	37.7	36.1	33.8	38.3	39.6	41.4	41.5	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 16000	7.9	37.7	36.1	33.8	38.3	39.6	41.4	41.5	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 14000	7.9	37.7	36.1	33.8	38.3	39.6	41.4	41.5	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 12000	7.9	37.7	36.1	33.8	38.3	39.6	41.4	41.5	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 10000	7.9	37.7	36.1	33.8	38.3	39.6	41.4	41.5	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 9000	7.9	37.7	36.1	33.8	38.3	39.6	41.4	41.5	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 8000	7.9	37.7	36.1	33.8	38.3	39.6	41.4	41.5	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 7000	7.9	37.7	36.1	33.8	38.3	39.6	41.4	41.5	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 6000	7.9	37.7	36.1	33.8	38.3	39.6	41.4	41.5	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 5000	7.9	37.7	36.1	33.8	38.3	39.6	41.4	41.5	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 4500	7.9	37.7	36.1	33.8	38.3	39.6	41.4	41.5	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 4000	7.9	37.7	36.1	33.8	38.3	39.6	41.4	41.5	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 3500	7.9	37.7	36.1	33.8	38.3	39.6	41.4	41.5	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 3000	7.9	37.7	36.1	33.8	38.3	39.6	41.4	41.5	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 2500	7.9	37.7	36.1	33.8	38.3	39.6	41.4	41.5	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 2000	7.9	37.7	36.1	33.8	38.3	39.6	41.4	41.5	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 1800	7.9	37.7	36.1	33.8	38.3	39.6	41.4	41.5	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 1500	7.9	37.7	36.1	33.8	38.3	39.6	41.4	41.5	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 1200	7.9	37.7	36.1	33.8	38.3	39.6	41.4	41.5	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 1000	7.9	37.7	36.1	33.8	38.3	39.6	41.4	41.5	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 900	7.9	37.7	36.1	33.8	38.3	39.6	41.4	41.5	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 800	7.9	37.7	36.1	33.8	38.3	39.6	41.4	41.5	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 700	7.9	37.7	36.1	33.8	38.3	39.6	41.4	41.5	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 600	7.9	37.7	36.1	33.8	38.3	39.6	41.4	41.5	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 500	7.9	37.7	36.1	33.8	38.3	39.6	41.4	41.5	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 400	7.9	37.7	36.1	33.8	38.3	39.6	41.4	41.5	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 300	7.9	37.7	36.1	33.8	38.3	39.6	41.4	41.5	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 200	7.9	37.7	36.1	33.8	38.3	39.6	41.4	41.5	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 100	7.9	37.7	36.1	33.8	38.3	39.6	41.4	41.5	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 0	7.9	37.7	36.1	33.8	38.3	39.6	41.4	41.5	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7

TOTAL NUMBER OF OBSERVATIONS 370

U.S. AIR FORCE CLIMATOLOGY BRANCH
 WASHINGTON, D.C.
 AIR WEATHER SERVICE/AFAC

CEILING VERSUS VISIBILITY

1957
 STATION

ILDENHALL RAF K
 STATION NAME

1957
 YEARS

J
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

000-1100
 HOURS (LT)

CEILING FEET	VISIBILITY STATUTE MILES															
	210 1/2	20 1/2	25 609	24 666	23 666	22 666	22 666	21 666	21 666	21 666	21 666	21 666	21 666	21 666	21 666	21 666
NO. CEILING 20000	33.1	34.3	36.7	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
2 18000	3.1	3.1	37.0	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
2 16000	3.1	35.1	37.0	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
2 14000	3.4	35.6	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
2 12000	3.4	35.6	38.4	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
2 10000	3.0	39.1	40.0	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
2 9000	3.3	37.4	41.3	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
2 8000	4.1	42.7	44.9	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
2 7000	3.3	44.8	46.8	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
2 6000	4.0	45.2	47.2	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
2 5000	4.3	47.6	49.7	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
2 4500	5.0	50.9	53.0	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
2 4000	5.3	56.9	59.3	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
2 3500	6.0	63.4	65.8	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
2 3000	6.3	75.8	78.1	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
2 2500	6.8	78.2	80.6	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
2 2000	7.1	81.6	84.1	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
2 1800	7.4	81.9	84.4	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
2 1500	7.4	85.7	88.9	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
2 1200	7.3	88.9	92.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
2 1000	8.1	89.7	93.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
2 900	8.3	90.0	94.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
2 800	8.6	90.3	94.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
2 700	8.7	90.4	94.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
2 600	8.7	90.4	94.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
2 500	8.7	90.4	94.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
2 400	8.7	90.4	94.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
2 300	8.7	90.4	94.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
2 200	8.7	90.4	94.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
2 100	8.7	90.4	94.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
2 0	8.7	90.4	94.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9

TOTAL NUMBER OF OBSERVATIONS 900

CLIMATE CLIMATOLOGY BRANCH
 ETAC
 WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1577 ILDENHALL PAF K

4-57

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1 0-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥1/64
≥10000	3.9	30.1	30.8	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
2 20000	3.2	37.2	37.9	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
2 18000	3.2	37.4	38.1	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
2 16000	3.2	37.4	38.1	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
2 14000	3.3	37.6	38.2	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
2 12000	3.4	37.7	39.3	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
2 10000	3.7	39.9	40.7	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
2 9000	3.1	40.3	41.1	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
2 8000	4.1	44.3	45.1	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
2 7000	4.4	45.1	45.9	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
2 6000	4.1	45.3	46.1	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
2 5000	4.3	46.2	49.0	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
2 4500	4.8	51.8	52.7	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
2 4000	1.3	61.6	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
2 3500	4.6	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
2 3000	3.4	81.9	85.2	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
2 2500	7.0	87.4	89.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
2 2000	0.0	90.3	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
2 1800	0.7	91.1	93.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
2 1600	2.6	93.0	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
2 1400	3.9	94.3	96.9	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
2 1200	4.6	95.1	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
2 1000	4.6	95.1	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
2 900	4.6	95.1	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
2 800	4.7	95.2	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
2 700	4.7	95.2	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
2 600	4.7	95.2	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
2 500	4.7	95.2	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
2 400	4.7	95.2	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
2 300	4.7	95.2	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
2 200	4.7	95.2	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
2 100	4.7	95.2	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
2 0	4.7	95.2	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 970

GENERAL CLIMATOLOGY BRANCH
METEOROLOGICAL
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

3577
STATION

ILDENHALL RAF K
STATION NAME

4-57
YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

10-1720
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO. CEILING	GE9	GE9	GE6	GE4	GE3	GE2	GE2	GE2	GE2	GE2	GE2	GE2	GE2	GE2	GE2	GE2
≥ 20000	2.6	27.9	28.4	23.6	28.6	23.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
≥ 18000	3.3	34.7	35.2	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
≥ 16000	3.3	34.7	35.2	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
≥ 14000	3.3	34.7	35.2	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
≥ 12000	3.3	34.7	35.2	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
≥ 10000	3.3	34.7	35.2	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
≥ 9000	3.3	34.7	35.2	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
≥ 8000	2.3	42.7	43.7	43.9	4.9	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 7000	4.4	44.7	45.9	46.1	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 6000	4.4	45.1	46.1	46.3	46.3	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 5000	1.0	51.4	52.4	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 4500	5.6	57.0	5.1	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 4000	5.2	62.7	71.1	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 3500	6.9	77.3	78.7	78.9	78.9	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 3000	6.9	87.6	89.1	89.2	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 2500	8.8	89.8	91.3	91.7	91.7	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 2000	8.8	92.4	94.4	94.8	94.9	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 1800	12.1	93.1	94.8	95.1	95.2	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1500	3.1	94.1	95.8	96.1	96.2	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 1200	4.1	95.2	97.1	97.4	97.6	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1000	5.2	96.2	98.0	98.4	98.6	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	5.0	96.2	98.0	98.4	98.6	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	5.0	96.2	98.0	98.4	98.6	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	5.1	96.4	98.2	98.7	98.8	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600	5.1	96.6	98.3	98.8	98.9	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	5.1	96.6	98.3	98.8	98.9	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	5.1	96.6	98.3	98.8	98.9	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	5.1	96.6	98.3	98.8	98.9	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	5.1	96.6	98.3	98.8	98.9	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	5.1	96.6	98.3	98.8	98.9	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0	5.1	96.6	98.3	98.8	98.9	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
ATTN: WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1577
STATION

ILDENHALL RAF K
STATION NAME

74-87
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0-2000
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES) OR (HUNDREDS OF METERS)															
	≥10 10	≥20 20	≥30 30	≥40 40	≥50 50	≥60 60	≥70 70	≥80 80	≥90 90	≥100 100	≥120 120	≥140 140	≥160 160	≥180 180	≥200 200	≥250 250
NO CEILING	30.4	31.4	31.8	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
≥ 18000	3.4	3.9	40.8	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
≥ 16000	3.4	4.0	40.9	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
≥ 14000	3.6	4.1	41.0	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
≥ 12000	3.7	4.2	41.1	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 10000	3.2	4.3	44.7	44.9	44.9	44.9	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
≥ 9000	4.0	4.5	46.9	47.1	47.1	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥ 8000	4.4	51.0	52.1	52.3	52.3	52.4	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 7000	2.1	52.7	54.0	54.2	54.3	54.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 6000	2.0	53.2	54.6	54.8	54.9	55.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 5000	2.0	60.6	62.0	62.2	62.3	62.4	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 4500	2.7	65.4	68.0	68.2	68.3	68.4	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 4000	5.2	76.4	78.6	78.8	78.9	79.0	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 3500	5.6	82.0	84.3	84.6	84.7	85.1	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 3000	5.4	86.9	89.3	89.6	89.7	90.1	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 2500	6.3	87.8	90.2	90.4	90.6	91.0	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 2000	8.0	90.0	93.0	93.2	93.3	93.8	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 1800	8.2	90.4	93.2	93.4	93.6	94.0	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1500	8.3	91.9	94.4	94.7	94.8	95.2	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 1200	1.2	93.1	95.9	96.1	96.3	96.9	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1000	1.3	93.6	96.3	96.7	96.9	97.6	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 900	1.0	93.6	96.3	96.7	96.9	97.6	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 800	1.8	94.0	96.9	97.2	97.4	98.1	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	2.2	94.3	97.2	97.6	97.9	98.7	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 600	2.1	94.3	97.2	97.6	97.9	98.7	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 500	2.2	94.6	97.4	97.8	98.1	98.9	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	2.3	94.7	97.6	97.9	98.2	99.0	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	2.2	94.7	97.6	97.9	98.2	99.0	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	2.2	94.7	97.6	97.9	98.2	99.0	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	2.2	94.7	97.6	97.9	98.2	99.0	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	2.2	94.7	97.6	97.9	98.2	99.0	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
METEOROLOGICAL
AIR WEATHER SERVICE PAC

CEILING VERSUS VISIBILITY

15771
STATION

ILDENHALL RAF K
STATION NAME

4-67
YEARS

110-2300
MOON

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 10	≥5 5	≥3 3	≥2 2	≥1 1	≥0.5 0.5	≥0.25 0.25	≥0.15 0.15	≥0.1 0.1	≥0.05 0.05	≥0.025 0.025	≥0.015 0.015	≥0.01 0.01	≥0.005 0.005	≥0.0025 0.0025	≥0.001 0.001
NO CEILING	3.3	36.4	38.5	33.6	38.6	37.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
≥ 20000	3.9	41.2	43.4	44.1	44.1	45.4	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 18000	3.9	41.2	43.4	44.1	44.1	45.4	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 16000	3.9	41.2	43.4	44.1	44.1	45.4	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 14000	3.9	41.2	43.4	44.1	44.1	45.4	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 12000	3.9	41.2	43.4	44.1	44.1	45.4	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 10000	2.2	44.6	47.0	47.7	47.7	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 9000	3.4	44.6	47.0	47.7	47.7	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 8000	4.7	52.3	54.9	55.6	55.6	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 7000	5.1	51.4	56.1	56.8	56.8	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 6000	1.4	54.1	56.7	57.3	57.3	58.1	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
≥ 5000	5.3	58.2	61.1	61.8	61.8	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 4500	5.1	6.1	68.3	69.0	69.0	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 4000	6.7	71.6	75.6	76.2	76.2	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 3500	1.1	75.1	79.3	80.0	80.0	81.9	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 3000	4.8	79.8	83.7	84.4	84.4	86.7	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 2500	6.4	80.4	85.6	86.3	86.3	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 2000	7.3	82.3	87.7	88.4	88.4	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 1800	7.2	83.2	88.6	89.3	89.3	91.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 1500	7.3	84.4	89.9	90.7	90.7	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 1200	1.2	85.4	91.6	92.3	92.3	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1000	1.8	86.7	92.3	93.1	93.1	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 900	2.0	86.4	92.3	93.8	93.8	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 800	3.0	87.6	94.3	94.9	94.9	97.2	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 700	3.0	87.8	94.3	95.2	95.2	97.6	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 600	3.1	87.9	94.4	95.3	95.3	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 500	3.2	88.0	94.7	95.6	95.6	98.1	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 400	3.0	88.3	95.1	96.0	96.0	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	3.3	88.3	95.2	96.1	96.1	98.8	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	3.3	88.3	95.2	96.1	96.1	98.8	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	3.3	88.3	95.2	96.1	96.1	98.8	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0	3.3	88.3	95.2	96.1	96.1	98.8	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
35-71

STATION NAME
MILDBENHALL RAF K

4-23

YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS

CEILING FEET	VISIBILITY STATUTE MILES OR (IN HUNDREDS OF METERS)															
	≥10 MI	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥1/64
NO CEILING	34.2	36.1	38.9	39.8	39.7	39.8	40.6	41.1	41.2	41.3	41.4	41.4	41.4	41.5	41.5	41.5
≥ 20000	34.2	36.1	38.9	39.8	39.7	39.8	40.6	41.1	41.2	41.3	41.4	41.4	41.4	41.5	41.5	41.5
≥ 18000	34.2	36.2	38.9	39.7	39.8	40.6	41.1	41.2	41.3	41.4	41.4	41.4	41.4	41.5	41.5	41.5
≥ 16000	34.2	36.2	38.9	39.7	39.8	40.6	41.1	41.2	41.3	41.4	41.4	41.4	41.4	41.5	41.5	41.5
≥ 14000	34.2	36.2	38.9	39.7	39.8	40.6	41.1	41.2	41.3	41.4	41.4	41.4	41.4	41.5	41.5	41.5
≥ 12000	34.2	36.2	38.9	39.7	39.8	40.6	41.1	41.2	41.3	41.4	41.4	41.4	41.4	41.5	41.5	41.5
≥ 10000	34.2	36.2	38.9	39.7	39.8	40.6	41.1	41.2	41.3	41.4	41.4	41.4	41.4	41.5	41.5	41.5
≥ 9000	34.2	36.2	38.9	39.7	39.8	40.6	41.1	41.2	41.3	41.4	41.4	41.4	41.4	41.5	41.5	41.5
≥ 8000	34.2	36.2	38.9	39.7	39.8	40.6	41.1	41.2	41.3	41.4	41.4	41.4	41.4	41.5	41.5	41.5
≥ 7000	34.2	36.2	38.9	39.7	39.8	40.6	41.1	41.2	41.3	41.4	41.4	41.4	41.4	41.5	41.5	41.5
≥ 6000	34.2	36.2	38.9	39.7	39.8	40.6	41.1	41.2	41.3	41.4	41.4	41.4	41.4	41.5	41.5	41.5
≥ 5000	34.2	36.2	38.9	39.7	39.8	40.6	41.1	41.2	41.3	41.4	41.4	41.4	41.4	41.5	41.5	41.5
≥ 4500	34.2	36.2	38.9	39.7	39.8	40.6	41.1	41.2	41.3	41.4	41.4	41.4	41.4	41.5	41.5	41.5
≥ 4000	34.2	36.2	38.9	39.7	39.8	40.6	41.1	41.2	41.3	41.4	41.4	41.4	41.4	41.5	41.5	41.5
≥ 3500	34.2	36.2	38.9	39.7	39.8	40.6	41.1	41.2	41.3	41.4	41.4	41.4	41.4	41.5	41.5	41.5
≥ 3000	34.2	36.2	38.9	39.7	39.8	40.6	41.1	41.2	41.3	41.4	41.4	41.4	41.4	41.5	41.5	41.5
≥ 2500	34.2	36.2	38.9	39.7	39.8	40.6	41.1	41.2	41.3	41.4	41.4	41.4	41.4	41.5	41.5	41.5
≥ 2000	34.2	36.2	38.9	39.7	39.8	40.6	41.1	41.2	41.3	41.4	41.4	41.4	41.4	41.5	41.5	41.5
≥ 1800	34.2	36.2	38.9	39.7	39.8	40.6	41.1	41.2	41.3	41.4	41.4	41.4	41.4	41.5	41.5	41.5
≥ 1500	34.2	36.2	38.9	39.7	39.8	40.6	41.1	41.2	41.3	41.4	41.4	41.4	41.4	41.5	41.5	41.5
≥ 1200	34.2	36.2	38.9	39.7	39.8	40.6	41.1	41.2	41.3	41.4	41.4	41.4	41.4	41.5	41.5	41.5
≥ 1000	34.2	36.2	38.9	39.7	39.8	40.6	41.1	41.2	41.3	41.4	41.4	41.4	41.4	41.5	41.5	41.5
≥ 900	34.2	36.2	38.9	39.7	39.8	40.6	41.1	41.2	41.3	41.4	41.4	41.4	41.4	41.5	41.5	41.5
≥ 800	34.2	36.2	38.9	39.7	39.8	40.6	41.1	41.2	41.3	41.4	41.4	41.4	41.4	41.5	41.5	41.5
≥ 700	34.2	36.2	38.9	39.7	39.8	40.6	41.1	41.2	41.3	41.4	41.4	41.4	41.4	41.5	41.5	41.5
≥ 600	34.2	36.2	38.9	39.7	39.8	40.6	41.1	41.2	41.3	41.4	41.4	41.4	41.4	41.5	41.5	41.5
≥ 500	34.2	36.2	38.9	39.7	39.8	40.6	41.1	41.2	41.3	41.4	41.4	41.4	41.4	41.5	41.5	41.5
≥ 400	34.2	36.2	38.9	39.7	39.8	40.6	41.1	41.2	41.3	41.4	41.4	41.4	41.4	41.5	41.5	41.5
≥ 300	34.2	36.2	38.9	39.7	39.8	40.6	41.1	41.2	41.3	41.4	41.4	41.4	41.4	41.5	41.5	41.5
≥ 200	34.2	36.2	38.9	39.7	39.8	40.6	41.1	41.2	41.3	41.4	41.4	41.4	41.4	41.5	41.5	41.5
≥ 100	34.2	36.2	38.9	39.7	39.8	40.6	41.1	41.2	41.3	41.4	41.4	41.4	41.4	41.5	41.5	41.5
≥ 0	34.2	36.2	38.9	39.7	39.8	40.6	41.1	41.2	41.3	41.4	41.4	41.4	41.4	41.5	41.5	41.5

TOTAL NUMBER OF OBSERVATIONS 7200

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

LOCAL CLIMATOLOGY BRANCH
ETAC
FATHER SERVICE MAC

CEILING VERSUS VISIBILITY

STATION WILDENHALL RAF K

4-87

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

177-2-00

CEILING FEET	VISIBILITY STATUTE MILES																OR (IN HUNDREDS OF METERS)			
	≥10 2.5	≥6 1.5	≥5 1.2	≥4 1.0	≥3 0.8	≥2.5 0.6	≥2 0.5	≥1.5 0.4	≥1.2 0.3	≥1 0.25	≥0.8 0.2	≥0.6 0.15	≥0.5 0.125	≥0.4 0.1	≥0.3 0.075	≥0.2 0.05	≥0.1 0.025	≥0.05 0.0125	≥0.025 0.00625	≥0.0125 0.003125
≥20000		1.3	44.3	48.2	49.2	49.6	51.3	51.6	51.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	52.2
≥18000		14.5	42.2	51.8	52.9	53.2	55.3	56.1	56.2	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.7
≥16000		14.5	42.2	51.8	52.9	53.2	55.3	56.1	56.2	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.7
≥14000		14.5	42.2	51.8	52.9	53.2	55.3	56.1	56.2	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.7
≥12000		44.5	42.5	52.2	53.2	53.5	55.6	56.5	56.6	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	57.2
≥10000		4.5	57.0	53.7	54.7	55.1	57.1	58.1	58.2	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.8
≥9000		4.5	51.0	44.6	55.7	56.0	58.1	59.0	59.1	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.8
≥8000		2.4	56.1	59.8	61.9	61.2	63.2	64.2	64.3	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.9
≥7000		3.1	56.9	61.6	61.7	62.1	64.1	65.1	65.2	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.8
≥6000		3.4	57.2	61.1	62.0	62.4	64.4	65.4	65.5	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	66.1
≥5000		5.1	58.8	62.6	63.7	64.0	66.0	67.1	67.1	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.7
≥4500		5.6	64.5	61.4	69.5	69.8	71.8	72.8	73.0	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.8
≥4000		5.3	67.9	74.2	75.3	75.6	77.6	78.6	78.8	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.6
≥3500		6.1	72.9	77.2	79.3	78.6	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	82.6
≥3000		10.0	74.9	79.1	81.2	81.5	82.6	83.7	83.9	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.6
≥2500		11.8	76.7	81.1	82.3	82.6	84.6	85.7	85.9	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.7
≥2000		14.3	80.0	85.3	86.5	86.8	88.6	89.1	90.3	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	91.1
≥1800		15.6	81.6	85.9	87.1	87.4	89.1	90.8	91.0	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.7
≥1500		16.3	82.1	87.5	88.8	89.2	91.4	92.6	92.8	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.5
≥1200		7.1	83.2	88.7	91.0	90.4	92.6	93.8	94.1	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.7
≥1000		7.6	83.8	89.7	91.0	91.4	93.5	94.7	94.9	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.7
≥900		7.1	81.3	90.2	91.5	91.9	94.1	95.3	95.5	95.9	96.1	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.2
≥800		7.6	84.7	91.1	92.4	92.8	94.9	96.1	96.3	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	97.1
≥700		7.8	85.1	91.4	92.7	93.1	95.3	96.5	96.7	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.4
≥600		7.8	85.1	91.5	92.8	93.2	95.4	96.7	96.9	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.6
≥500		7.8	85.1	91.8	93.1	93.5	95.7	97.1	97.2	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	98.1
≥400		7.8	85.1	91.8	93.2	93.7	95.8	97.3	97.5	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.5
≥300		7.8	85.1	91.9	93.5	94.0	96.1	97.8	98.3	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.2
≥200		7.8	85.1	91.9	93.5	94.0	96.2	98.1	98.6	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.8
≥100		7.8	85.1	91.9	93.5	94.0	96.2	98.1	98.6	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	100.0
≥0		7.8	85.1	91.9	93.5	94.0	96.2	98.1	98.6	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 215

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

15771
STATION

ILCENHALL RAF K
STATION NAME

4-87
YEAR

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

00-2500
FOOT

CEILING FEET	VISIBILITY STATUTE MILES																			
	>10	≥10	≥8	≥6	≥4	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥1/64	≥1/128	≥1/256	≥1/512	≥1/1024	≥1/2048	≥1/4096	≥1/8192
NO CEILING		2.1	24.7	31.7	32.7	32.8	35.2	36.2	36.5	37.1	37.5	37.7	37.8	38.7	39.3	39.6				
≥ 20000		2.7	31.5	35.5	36.7	36.8	39.5	40.8	41.2	41.9	42.5	42.7	42.8	43.1	43.2	43.7				
≥ 18000		2.7	31.5	35.5	36.7	36.8	39.5	40.8	41.2	41.9	42.5	42.7	42.8	43.1	43.2	43.7				
≥ 16000		2.7	31.5	35.5	36.7	36.8	39.5	40.8	41.2	41.9	42.5	42.7	42.8	43.1	43.2	43.7				
≥ 14000		2.7	31.5	35.5	36.7	36.8	39.5	40.8	41.2	41.9	42.5	42.7	42.8	43.1	43.2	43.7				
≥ 12000		2.1	31.5	35.8	37.1	37.1	39.8	41.1	41.5	42.3	42.8	43.1	43.1	43.4	43.5	44.0				
≥ 10000		2.1	33.0	37.4	38.9	39.0	41.7	43.1	43.5	44.3	44.8	45.1	45.2	45.5	45.6	46.1				
≥ 9000		2.5	33.3	37.7	39.2	39.4	42.0	43.4	43.7	44.6	45.2	45.4	45.5	45.8	45.9	46.5				
≥ 8000		3.5	33.6	44.4	45.9	46.0	48.9	50.3	50.9	51.5	52.0	52.3	52.4	52.9	53.1	53.7				
≥ 7000		3.1	47.7	44.8	46.5	46.6	49.6	51.1	51.5	52.3	52.8	53.0	53.1	53.7	53.8	54.4				
≥ 6000		3.7	40.4	45.5	47.1	47.2	51.2	51.7	52.2	52.9	53.4	53.7	53.8	54.3	54.4	55.1				
≥ 5000		3.7	43.8	48.9	50.5	50.6	53.7	55.2	55.6	56.3	57.1	57.2	57.3	57.8	58.1	58.6				
≥ 4500		4.3	50.4	51.2	53.1	53.3	61.3	62.8	63.2	64.0	64.6	64.8	64.9	65.5	65.6	66.2				
≥ 4000		1.1	56.6	63.4	65.4	65.6	68.8	70.3	70.8	71.6	72.3	72.6	72.7	73.2	73.3	74.1				
≥ 3500		1.3	51.1	66.5	63.4	68.6	71.9	73.5	74.1	74.8	75.5	75.8	75.9	76.5	76.6	77.3				
≥ 3000		5.4	60.9	68.4	71.3	71.5	73.9	75.7	76.1	77.1	77.6	78.1	78.1	78.6	78.7	79.6				
≥ 2500		5.4	64.5	72.5	74.4	74.6	78.0	79.8	81.1	81.7	82.1	82.2	82.2	82.7	82.8	83.7				
≥ 2000		5.5	66.8	5.3	77.2	77.4	81.0	82.8	83.2	84.1	84.7	85.1	85.2	85.7	85.8	86.7				
≥ 1800		6.6	66.9	75.4	77.3	77.5	81.3	82.9	83.3	84.3	84.9	85.3	85.4	85.9	86.1	86.9				
≥ 1500		6.1	68.5	77.6	79.6	79.9	83.4	85.3	85.7	86.7	87.3	87.6	87.7	88.3	88.4	89.2				
≥ 1200		3.0	60.6	78.8	81.8	81.1	84.6	86.5	86.9	87.8	88.5	88.8	88.9	89.5	89.6	90.4				
≥ 1000		3.7	70.4	80.9	82.8	83.1	86.8	88.6	89.1	90.0	90.6	91.2	91.1	91.6	91.7	92.6				
≥ 900		4.7	71.7	82.3	84.2	84.5	88.2	90.0	90.4	91.4	92.1	92.4	92.5	93.1	93.1	94.1				
≥ 800		5.2	72.2	83.1	84.9	85.3	89.0	90.7	91.3	92.3	92.9	93.2	93.3	93.9	94.1	94.8				
≥ 700		5.2	72.3	83.2	85.2	85.6	89.4	91.2	91.6	92.6	93.2	93.5	93.7	94.2	94.3	95.2				
≥ 600		5.2	72.3	83.2	85.2	85.6	89.4	91.2	91.6	92.6	93.2	93.5	93.7	94.2	94.3	95.2				
≥ 500		5.2	72.3	83.8	85.9	86.5	90.4	92.3	92.7	93.7	94.4	94.7	94.8	95.4	95.5	96.3				
≥ 400		5.2	72.3	83.8	86.0	86.6	90.5	92.5	92.9	93.9	94.6	95.1	95.2	95.7	95.8	96.7				
≥ 300		5.2	72.3	83.8	86.1	86.8	91.0	93.1	93.5	94.8	95.7	96.2	96.3	97.1	97.2	98.1				
≥ 200		5.2	72.3	83.8	86.2	86.8	91.1	93.1	93.7	95.3	96.1	96.8	96.9	98.0	98.2	99.0				
≥ 100		5.2	72.3	83.8	86.2	86.8	91.1	93.2	93.9	95.5	96.3	97.1	97.1	98.2	98.5	99.9				
≥ 0		5.2	72.3	83.8	86.2	86.9	91.1	93.2	93.9	95.5	96.3	97.1	97.1	98.2	98.5	100.0				

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GENERAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 5577 WILDENHALL RAF K

4-87

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

520-0800
HOURS T.S.T.

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥1/64
NO CEILING	2.6	27.8	30.6	31.3	31.4	32.5	33.2	33.5	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
≥20000	2.6	31.3	34.7	35.7	35.8	36.9	37.8	38.3	38.9	39.1	39.0	39.0	39.0	39.0	39.1	39.1
≥18000	2.6	31.3	34.7	35.7	35.8	36.9	37.8	38.3	38.9	39.1	39.0	39.0	39.0	39.0	39.1	39.1
≥16000	2.6	31.3	34.7	35.7	35.8	36.9	37.8	38.3	38.9	39.1	39.0	39.0	39.0	39.0	39.1	39.1
≥14000	2.6	31.3	34.7	35.7	35.8	36.9	37.8	38.3	38.9	39.1	39.0	39.0	39.0	39.0	39.1	39.1
≥12000	2.6	31.3	34.7	35.7	35.8	36.9	37.8	38.3	38.9	39.1	39.0	39.0	39.0	39.0	39.1	39.1
≥10000	3.1	33.1	37.0	38.7	38.1	39.1	40.1	40.5	41.2	41.3	41.3	41.3	41.3	41.3	41.4	41.4
≥9000	3.1	33.1	37.0	38.7	38.1	39.1	40.1	40.5	41.2	41.3	41.3	41.3	41.3	41.3	41.4	41.4
≥8000	3.1	33.1	37.0	38.7	38.1	39.1	40.1	40.5	41.2	41.3	41.3	41.3	41.3	41.3	41.4	41.4
≥7000	3.1	33.1	37.0	38.7	38.1	39.1	40.1	40.5	41.2	41.3	41.3	41.3	41.3	41.3	41.4	41.4
≥6000	3.1	33.1	37.0	38.7	38.1	39.1	40.1	40.5	41.2	41.3	41.3	41.3	41.3	41.3	41.4	41.4
≥5000	4.3	45.7	50.6	51.7	51.8	53.7	54.9	55.4	56.7	56.1	56.1	56.1	56.1	56.1	56.2	56.2
≥4500	5.0	52.6	59.4	59.5	59.6	61.4	62.7	63.1	63.9	63.9	63.9	63.9	63.9	63.9	64.1	64.1
≥4000	5.0	52.6	59.4	59.5	59.6	61.4	62.7	63.1	63.9	63.9	63.9	63.9	63.9	63.9	64.1	64.1
≥3500	5.0	52.6	59.4	59.5	59.6	61.4	62.7	63.1	63.9	63.9	63.9	63.9	63.9	63.9	64.1	64.1
≥3000	5.0	52.6	59.4	59.5	59.6	61.4	62.7	63.1	63.9	63.9	63.9	63.9	63.9	63.9	64.1	64.1
≥2500	5.0	52.6	59.4	59.5	59.6	61.4	62.7	63.1	63.9	63.9	63.9	63.9	63.9	63.9	64.1	64.1
≥2000	5.0	52.6	59.4	59.5	59.6	61.4	62.7	63.1	63.9	63.9	63.9	63.9	63.9	63.9	64.1	64.1
≥1800	5.0	52.6	59.4	59.5	59.6	61.4	62.7	63.1	63.9	63.9	63.9	63.9	63.9	63.9	64.1	64.1
≥1500	5.0	52.6	59.4	59.5	59.6	61.4	62.7	63.1	63.9	63.9	63.9	63.9	63.9	63.9	64.1	64.1
≥1200	5.0	52.6	59.4	59.5	59.6	61.4	62.7	63.1	63.9	63.9	63.9	63.9	63.9	63.9	64.1	64.1
≥1000	5.0	52.6	59.4	59.5	59.6	61.4	62.7	63.1	63.9	63.9	63.9	63.9	63.9	63.9	64.1	64.1
≥900	5.0	52.6	59.4	59.5	59.6	61.4	62.7	63.1	63.9	63.9	63.9	63.9	63.9	63.9	64.1	64.1
≥800	5.0	52.6	59.4	59.5	59.6	61.4	62.7	63.1	63.9	63.9	63.9	63.9	63.9	63.9	64.1	64.1
≥700	5.0	52.6	59.4	59.5	59.6	61.4	62.7	63.1	63.9	63.9	63.9	63.9	63.9	63.9	64.1	64.1
≥600	5.0	52.6	59.4	59.5	59.6	61.4	62.7	63.1	63.9	63.9	63.9	63.9	63.9	63.9	64.1	64.1
≥500	5.0	52.6	59.4	59.5	59.6	61.4	62.7	63.1	63.9	63.9	63.9	63.9	63.9	63.9	64.1	64.1
≥400	5.0	52.6	59.4	59.5	59.6	61.4	62.7	63.1	63.9	63.9	63.9	63.9	63.9	63.9	64.1	64.1
≥300	5.0	52.6	59.4	59.5	59.6	61.4	62.7	63.1	63.9	63.9	63.9	63.9	63.9	63.9	64.1	64.1
≥200	5.0	52.6	59.4	59.5	59.6	61.4	62.7	63.1	63.9	63.9	63.9	63.9	63.9	63.9	64.1	64.1
≥100	5.0	52.6	59.4	59.5	59.6	61.4	62.7	63.1	63.9	63.9	63.9	63.9	63.9	63.9	64.1	64.1
≥0	5.0	52.6	59.4	59.5	59.6	61.4	62.7	63.1	63.9	63.9	63.9	63.9	63.9	63.9	64.1	64.1

TOTAL NUMBER OF OBSERVATIONS 932

GLOBAL CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7517
 STATION

WILDENHALL RAF K
 STATION NAME

4-83
 YEARS

JUL
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

000-100
 HOURS 1ST

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS F METERS)															
	≥10 516	≥9 429	≥8 343	≥7 256	≥6 170	≥5 85	≥4 37	≥3 13	≥2 9	≥1 5	≥1 5	≥1 5	≥1 5	≥1 5	≥1 5	≥1 5
NO CEILING		24.1	25.5	28.4	28.9	28.9	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1
≥ 20000		10.7	31.3	34.3	35.3	35.3	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 18000		10.7	31.3	34.3	35.3	35.3	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 16000		10.7	31.3	34.3	35.3	35.3	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 14000		11.2	31.3	34.9	35.9	35.9	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
≥ 12000		11.3	32.0	35.1	36.7	36.7	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
≥ 10000		3.2	34.5	37.1	38.1	38.1	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
≥ 9000		3.7	37.1	39.2	39.1	39.1	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 8000		4.4	41.5	44.9	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 7000		41.5	42.7	46.1	47.2	47.2	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 6000		41.5	42.7	46.2	47.3	47.3	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 5000		44.5	45.7	49.1	50.2	50.2	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 4500		4.4	47.4	53.1	54.2	54.2	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 4000		5.1	56.3	61.2	61.3	61.3	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 3500		5.1	61.9	66.2	67.3	67.3	68.0	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 3000		6.0	69.9	73.7	74.7	74.7	75.5	75.7	75.8	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 2500		6.5	71.3	76.5	77.5	77.5	78.3	78.5	78.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 2000		6.5	78.3	83.5	84.6	84.6	85.4	85.6	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 1800		7.5	79.4	84.6	85.7	85.7	86.5	86.7	86.8	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 1500		1.1	82.9	88.3	89.5	89.5	90.2	90.4	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1200		4.1	86.0	91.6	92.9	92.9	93.7	93.9	94.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1000		4.9	87.1	92.8	94.1	94.1	95.1	95.3	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 900		5.0	87.5	93.4	94.7	94.7	95.8	96.0	96.2	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 800		5.4	87.6	93.5	94.8	94.8	96.1	96.6	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 700		5.9	88.3	94.4	95.8	95.8	97.2	97.6	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 600		5.9	88.3	94.4	95.8	95.8	97.4	98.0	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500		5.9	88.3	94.5	95.9	95.9	97.6	98.3	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 400		5.9	88.3	94.5	95.9	95.9	97.6	98.3	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 300		5.9	88.3	94.5	96.0	96.0	97.8	98.6	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 200		5.9	88.3	94.5	96.0	96.0	97.8	98.6	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 100		5.9	88.3	94.5	96.0	96.0	97.8	98.6	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 0		5.9	88.3	94.5	96.0	96.0	97.8	98.6	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 METAC
 WEATHER SERVICE MAC

CEILING VERSUS VISIBILITY

7571
 STATION

ILDENHALL RAF K
 STATION NAME

4-57
 YEARS

1971
 YEAR

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

100-1000
 FEET

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10 MI	≥9 MI	≥8 MI	≥7 MI	≥6 MI	≥5 MI	≥4 MI	≥3 MI	≥2 MI	≥1 MI	≥1 MI	≥1 MI	≥1 MI	≥1 MI	≥1 MI	≥1 MI
NO CEILING	2.2	25.1	26.7	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8
≥ 20000	2.2	30.1	32.8	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
≥ 18000	2.2	30.1	32.8	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
≥ 16000	2.2	30.1	32.8	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
≥ 14000	2.2	31.2	33.2	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
≥ 12000	2.2	31.3	33.3	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
≥ 10000	2.2	33.1	35.2	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
≥ 9000	2.2	3.2	36.2	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5
≥ 8000	2.2	4.7	42.2	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 7000	2.2	4.7	42.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
≥ 6000	2.2	40.8	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
≥ 5000	2.2	44.0	46.3	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
≥ 4500	2.2	52.2	54.5	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 4000	2.2	64.3	66.8	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 3500	2.2	72.4	75.1	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 3000	2.2	79.6	82.9	83.7	83.9	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 2500	2.2	82.7	86.1	86.9	87.1	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 2000	2.2	88.3	91.3	92.6	92.8	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 1800	2.2	89.5	93.1	93.9	94.1	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 1500	2.2	91.7	95.4	96.1	96.3	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1200	2.2	92.8	96.5	97.2	97.4	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1000	2.2	93.3	97.0	97.7	98.0	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 900	2.2	93.4	97.1	97.8	98.1	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 800	2.2	93.4	97.2	98.1	98.2	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 700	2.2	93.5	97.3	98.2	98.4	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	2.2	93.5	97.3	98.2	98.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 500	2.2	93.5	97.3	98.4	98.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	2.2	93.5	97.3	98.4	98.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	2.2	93.5	97.3	98.4	98.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	2.2	93.5	97.3	98.4	98.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	2.2	93.5	97.3	98.4	98.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	2.2	93.5	97.3	98.4	98.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 932

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CLIMATE CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION: ILDENHALL RAF K
STATION NAME

14-37 YEARS

JUL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

100-1700 HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	210	200	150	100	75	50	25	15	10	5	3	2	1	0.5	0.3	0.1
20000	2.3	2.8	28.7	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
18000	3.0	3.4	36.0	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
16000	3.3	3.5	36.3	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5
14000	3.4	3.5	36.8	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
12000	3.2	3.4	37.2	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
10000	3.5	3.7	38.5	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8
9000	3.3	4.2	41.3	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
8000	3.4	4.4	45.5	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
7000	4.4	4.5	47.1	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
6000	4.2	4.6	47.3	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
5000	4.7	5.2	51.9	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
4500	5.1	6.1	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
4000	3.7	7.4	76.3	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
3500	5.9	8.7	84.1	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
3000	5.3	8.7	88.9	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
2500	7.5	89.5	91.4	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
2000	7.0	91.4	94.4	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
1800	7.3	92.3	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
1500	1.7	91.7	96.1	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
1200	3.0	94.7	97.5	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
1000	3.3	95.3	97.8	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
900	3.3	95.3	97.8	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
800	3.3	95.3	97.8	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
700	3.3	95.4	98.1	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
600	3.3	95.4	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
500	3.4	95.5	98.4	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
400	3.4	95.5	98.4	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
300	3.4	95.5	98.4	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
200	3.4	95.5	98.4	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
100	3.4	95.5	98.4	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
1	7.4	95.5	98.4	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS 97

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U.S. AIR FORCE
CENTRAL CLIMATOLOGY BRANCH
AFETAC
AIR FATHER SERVICE MAC

CEILING VERSUS VISIBILITY

STATION: MILCENHALL RAF K

4-63

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

10-2000
HOURS (L)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10 10	≥6 6	≥5 5	≥4 4	≥3 3	≥2.5 2.5	≥2 2	≥1.5 1.5	≥1 1	≥0.75 0.75	≥0.5 0.5	≥0.25 0.25	≥0.15 0.15	≥0.1 0.1	≥0.05 0.05	≥0.01 0.01
NO CEILING	3.2	36.7	36.9	37.1	37.1	37.3	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
≥ 20000	13.5	44.6	45.8	46.0	46.0	46.3	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 18000	43.7	44.7	45.9	46.1	46.1	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 16000	43.7	44.7	45.9	46.1	46.1	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 14000	43.7	44.7	45.9	46.1	46.1	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 12000	43.7	44.7	45.9	46.1	46.1	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 10000	43.7	44.7	45.9	46.1	46.1	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 9000	43.7	44.7	45.9	46.1	46.1	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 8000	43.7	44.7	45.9	46.1	46.1	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 7000	43.7	44.7	45.9	46.1	46.1	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 6000	43.7	44.7	45.9	46.1	46.1	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 5000	43.7	44.7	45.9	46.1	46.1	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 4500	43.7	44.7	45.9	46.1	46.1	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 4000	43.7	44.7	45.9	46.1	46.1	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 3500	43.7	44.7	45.9	46.1	46.1	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 3000	43.7	44.7	45.9	46.1	46.1	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 2500	43.7	44.7	45.9	46.1	46.1	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 2000	43.7	44.7	45.9	46.1	46.1	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 1800	43.7	44.7	45.9	46.1	46.1	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 1500	43.7	44.7	45.9	46.1	46.1	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 1200	43.7	44.7	45.9	46.1	46.1	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 1000	43.7	44.7	45.9	46.1	46.1	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 900	43.7	44.7	45.9	46.1	46.1	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 800	43.7	44.7	45.9	46.1	46.1	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 700	43.7	44.7	45.9	46.1	46.1	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 600	43.7	44.7	45.9	46.1	46.1	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 500	43.7	44.7	45.9	46.1	46.1	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 400	43.7	44.7	45.9	46.1	46.1	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 300	43.7	44.7	45.9	46.1	46.1	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 200	43.7	44.7	45.9	46.1	46.1	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 100	43.7	44.7	45.9	46.1	46.1	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 50	43.7	44.7	45.9	46.1	46.1	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 10-64 10-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CENTRAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

5-71

ILDENHALL 9AF K

4-37

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

10-2300
HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥1/64
NO CEILING	3.7	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
≥20000	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
≥18000	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
≥16000	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
≥14000	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
≥12000	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
≥10000	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
≥9000	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
≥8000	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
≥7000	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
≥6000	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
≥5000	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
≥4500	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
≥4000	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
≥3500	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
≥3000	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
≥2500	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
≥2000	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
≥1800	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
≥1500	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
≥1200	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
≥1000	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
≥900	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
≥800	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
≥700	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
≥600	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
≥500	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
≥400	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
≥300	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
≥200	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
≥100	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
≥0	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CLIMATOLOGY BRANCH
ETAC
A WEATHER SERVICE MAC

CEILING VERSUS VISIBILITY

STATION

ILDNHALL RAF K

4-87

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS 1-24

CEILING FEET	VISIBILITY - STATUTE MILES																OR (IN HUNDREDS OF METERS)			
	≥10 MI	≥6 MI	≥5 MI	≥4 MI	≥3 MI	≥2 MI	≥1 MI	≥1 MI	≥1 MI	≥1 MI	≥1 MI	≥1 MI	≥1 MI	≥1 MI	≥1 MI	≥1 MI	≥1 MI	≥1 MI	≥1 MI	≥1 MI
NO CEILING	35.0	37.4	40.1	42.8	45.5	48.2	50.9	53.6	56.3	59.0	61.7	64.4	67.1	69.8	72.5	75.2	77.9	80.6	83.3	86.0
≥20000	35.0	37.4	40.1	42.8	45.5	48.2	50.9	53.6	56.3	59.0	61.7	64.4	67.1	69.8	72.5	75.2	77.9	80.6	83.3	86.0
≥18000	35.0	37.4	40.1	42.8	45.5	48.2	50.9	53.6	56.3	59.0	61.7	64.4	67.1	69.8	72.5	75.2	77.9	80.6	83.3	86.0
≥16000	35.0	37.4	40.1	42.8	45.5	48.2	50.9	53.6	56.3	59.0	61.7	64.4	67.1	69.8	72.5	75.2	77.9	80.6	83.3	86.0
≥14000	35.0	37.4	40.1	42.8	45.5	48.2	50.9	53.6	56.3	59.0	61.7	64.4	67.1	69.8	72.5	75.2	77.9	80.6	83.3	86.0
≥12000	35.0	37.4	40.1	42.8	45.5	48.2	50.9	53.6	56.3	59.0	61.7	64.4	67.1	69.8	72.5	75.2	77.9	80.6	83.3	86.0
≥10000	35.0	37.4	40.1	42.8	45.5	48.2	50.9	53.6	56.3	59.0	61.7	64.4	67.1	69.8	72.5	75.2	77.9	80.6	83.3	86.0
≥9000	35.0	37.4	40.1	42.8	45.5	48.2	50.9	53.6	56.3	59.0	61.7	64.4	67.1	69.8	72.5	75.2	77.9	80.6	83.3	86.0
≥8000	35.0	37.4	40.1	42.8	45.5	48.2	50.9	53.6	56.3	59.0	61.7	64.4	67.1	69.8	72.5	75.2	77.9	80.6	83.3	86.0
≥7000	35.0	37.4	40.1	42.8	45.5	48.2	50.9	53.6	56.3	59.0	61.7	64.4	67.1	69.8	72.5	75.2	77.9	80.6	83.3	86.0
≥6000	35.0	37.4	40.1	42.8	45.5	48.2	50.9	53.6	56.3	59.0	61.7	64.4	67.1	69.8	72.5	75.2	77.9	80.6	83.3	86.0
≥5000	35.0	37.4	40.1	42.8	45.5	48.2	50.9	53.6	56.3	59.0	61.7	64.4	67.1	69.8	72.5	75.2	77.9	80.6	83.3	86.0
≥4500	35.0	37.4	40.1	42.8	45.5	48.2	50.9	53.6	56.3	59.0	61.7	64.4	67.1	69.8	72.5	75.2	77.9	80.6	83.3	86.0
≥4000	35.0	37.4	40.1	42.8	45.5	48.2	50.9	53.6	56.3	59.0	61.7	64.4	67.1	69.8	72.5	75.2	77.9	80.6	83.3	86.0
≥3500	35.0	37.4	40.1	42.8	45.5	48.2	50.9	53.6	56.3	59.0	61.7	64.4	67.1	69.8	72.5	75.2	77.9	80.6	83.3	86.0
≥3000	35.0	37.4	40.1	42.8	45.5	48.2	50.9	53.6	56.3	59.0	61.7	64.4	67.1	69.8	72.5	75.2	77.9	80.6	83.3	86.0
≥2500	35.0	37.4	40.1	42.8	45.5	48.2	50.9	53.6	56.3	59.0	61.7	64.4	67.1	69.8	72.5	75.2	77.9	80.6	83.3	86.0
≥2000	35.0	37.4	40.1	42.8	45.5	48.2	50.9	53.6	56.3	59.0	61.7	64.4	67.1	69.8	72.5	75.2	77.9	80.6	83.3	86.0
≥1800	35.0	37.4	40.1	42.8	45.5	48.2	50.9	53.6	56.3	59.0	61.7	64.4	67.1	69.8	72.5	75.2	77.9	80.6	83.3	86.0
≥1600	35.0	37.4	40.1	42.8	45.5	48.2	50.9	53.6	56.3	59.0	61.7	64.4	67.1	69.8	72.5	75.2	77.9	80.6	83.3	86.0
≥1400	35.0	37.4	40.1	42.8	45.5	48.2	50.9	53.6	56.3	59.0	61.7	64.4	67.1	69.8	72.5	75.2	77.9	80.6	83.3	86.0
≥1200	35.0	37.4	40.1	42.8	45.5	48.2	50.9	53.6	56.3	59.0	61.7	64.4	67.1	69.8	72.5	75.2	77.9	80.6	83.3	86.0
≥1000	35.0	37.4	40.1	42.8	45.5	48.2	50.9	53.6	56.3	59.0	61.7	64.4	67.1	69.8	72.5	75.2	77.9	80.6	83.3	86.0
≥900	35.0	37.4	40.1	42.8	45.5	48.2	50.9	53.6	56.3	59.0	61.7	64.4	67.1	69.8	72.5	75.2	77.9	80.6	83.3	86.0
≥800	35.0	37.4	40.1	42.8	45.5	48.2	50.9	53.6	56.3	59.0	61.7	64.4	67.1	69.8	72.5	75.2	77.9	80.6	83.3	86.0
≥700	35.0	37.4	40.1	42.8	45.5	48.2	50.9	53.6	56.3	59.0	61.7	64.4	67.1	69.8	72.5	75.2	77.9	80.6	83.3	86.0
≥600	35.0	37.4	40.1	42.8	45.5	48.2	50.9	53.6	56.3	59.0	61.7	64.4	67.1	69.8	72.5	75.2	77.9	80.6	83.3	86.0
≥500	35.0	37.4	40.1	42.8	45.5	48.2	50.9	53.6	56.3	59.0	61.7	64.4	67.1	69.8	72.5	75.2	77.9	80.6	83.3	86.0
≥400	35.0	37.4	40.1	42.8	45.5	48.2	50.9	53.6	56.3	59.0	61.7	64.4	67.1	69.8	72.5	75.2	77.9	80.6	83.3	86.0
≥300	35.0	37.4	40.1	42.8	45.5	48.2	50.9	53.6	56.3	59.0	61.7	64.4	67.1	69.8	72.5	75.2	77.9	80.6	83.3	86.0
≥200	35.0	37.4	40.1	42.8	45.5	48.2	50.9	53.6	56.3	59.0	61.7	64.4	67.1	69.8	72.5	75.2	77.9	80.6	83.3	86.0
≥100	35.0	37.4	40.1	42.8	45.5	48.2	50.9	53.6	56.3	59.0	61.7	64.4	67.1	69.8	72.5	75.2	77.9	80.6	83.3	86.0
≥0	35.0	37.4	40.1	42.8	45.5	48.2	50.9	53.6	56.3	59.0	61.7	64.4	67.1	69.8	72.5	75.2	77.9	80.6	83.3	86.0

TOTAL NUMBER OF OBSERVATIONS 7440

CENTRAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7577
STATION

ILDENHALL RAF K
STATION NAME

4-27
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

700-7.00
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05
NO CEILING	7.3	37.7	45.3	45.5	46.6	47.7	51.1	51.7	52.2	52.3	52.5	52.9	53.3	53.8	54.3	54.8
≥20000	7.9	41.5	47.6	48.8	48.9	52.6	54.0	54.6	54.9	55.1	55.2	55.4	55.8	56.3	56.7	57.2
≥18000	7.9	41.5	47.6	48.8	48.9	52.6	54.0	54.6	54.9	55.1	55.2	55.4	55.8	56.3	56.7	57.2
≥16000	7.9	41.5	47.6	48.8	48.9	52.6	54.0	54.6	54.9	55.1	55.2	55.4	55.8	56.3	56.7	57.2
≥14000	7.9	41.5	47.6	48.8	48.9	52.6	54.0	54.6	54.9	55.1	55.2	55.4	55.8	56.3	56.7	57.2
≥12000	7.9	41.5	47.6	48.8	48.9	52.6	54.0	54.6	54.9	55.1	55.2	55.4	55.8	56.3	56.7	57.2
≥10000	7.9	41.5	47.6	48.8	48.9	52.6	54.0	54.6	54.9	55.1	55.2	55.4	55.8	56.3	56.7	57.2
≥9000	7.9	41.5	47.6	48.8	48.9	52.6	54.0	54.6	54.9	55.1	55.2	55.4	55.8	56.3	56.7	57.2
≥8000	7.9	41.5	47.6	48.8	48.9	52.6	54.0	54.6	54.9	55.1	55.2	55.4	55.8	56.3	56.7	57.2
≥7000	7.9	41.5	47.6	48.8	48.9	52.6	54.0	54.6	54.9	55.1	55.2	55.4	55.8	56.3	56.7	57.2
≥6000	7.9	41.5	47.6	48.8	48.9	52.6	54.0	54.6	54.9	55.1	55.2	55.4	55.8	56.3	56.7	57.2
≥5000	7.9	41.5	47.6	48.8	48.9	52.6	54.0	54.6	54.9	55.1	55.2	55.4	55.8	56.3	56.7	57.2
≥4500	7.9	41.5	47.6	48.8	48.9	52.6	54.0	54.6	54.9	55.1	55.2	55.4	55.8	56.3	56.7	57.2
≥4000	7.9	41.5	47.6	48.8	48.9	52.6	54.0	54.6	54.9	55.1	55.2	55.4	55.8	56.3	56.7	57.2
≥3500	7.9	41.5	47.6	48.8	48.9	52.6	54.0	54.6	54.9	55.1	55.2	55.4	55.8	56.3	56.7	57.2
≥3000	7.9	41.5	47.6	48.8	48.9	52.6	54.0	54.6	54.9	55.1	55.2	55.4	55.8	56.3	56.7	57.2
≥2500	7.9	41.5	47.6	48.8	48.9	52.6	54.0	54.6	54.9	55.1	55.2	55.4	55.8	56.3	56.7	57.2
≥2000	7.9	41.5	47.6	48.8	48.9	52.6	54.0	54.6	54.9	55.1	55.2	55.4	55.8	56.3	56.7	57.2
≥1800	7.9	41.5	47.6	48.8	48.9	52.6	54.0	54.6	54.9	55.1	55.2	55.4	55.8	56.3	56.7	57.2
≥1600	7.9	41.5	47.6	48.8	48.9	52.6	54.0	54.6	54.9	55.1	55.2	55.4	55.8	56.3	56.7	57.2
≥1400	7.9	41.5	47.6	48.8	48.9	52.6	54.0	54.6	54.9	55.1	55.2	55.4	55.8	56.3	56.7	57.2
≥1200	7.9	41.5	47.6	48.8	48.9	52.6	54.0	54.6	54.9	55.1	55.2	55.4	55.8	56.3	56.7	57.2
≥1000	7.9	41.5	47.6	48.8	48.9	52.6	54.0	54.6	54.9	55.1	55.2	55.4	55.8	56.3	56.7	57.2
≥900	7.9	41.5	47.6	48.8	48.9	52.6	54.0	54.6	54.9	55.1	55.2	55.4	55.8	56.3	56.7	57.2
≥800	7.9	41.5	47.6	48.8	48.9	52.6	54.0	54.6	54.9	55.1	55.2	55.4	55.8	56.3	56.7	57.2
≥700	7.9	41.5	47.6	48.8	48.9	52.6	54.0	54.6	54.9	55.1	55.2	55.4	55.8	56.3	56.7	57.2
≥600	7.9	41.5	47.6	48.8	48.9	52.6	54.0	54.6	54.9	55.1	55.2	55.4	55.8	56.3	56.7	57.2
≥500	7.9	41.5	47.6	48.8	48.9	52.6	54.0	54.6	54.9	55.1	55.2	55.4	55.8	56.3	56.7	57.2
≥400	7.9	41.5	47.6	48.8	48.9	52.6	54.0	54.6	54.9	55.1	55.2	55.4	55.8	56.3	56.7	57.2
≥300	7.9	41.5	47.6	48.8	48.9	52.6	54.0	54.6	54.9	55.1	55.2	55.4	55.8	56.3	56.7	57.2
≥200	7.9	41.5	47.6	48.8	48.9	52.6	54.0	54.6	54.9	55.1	55.2	55.4	55.8	56.3	56.7	57.2
≥100	7.9	41.5	47.6	48.8	48.9	52.6	54.0	54.6	54.9	55.1	55.2	55.4	55.8	56.3	56.7	57.2
≥0	7.9	41.5	47.6	48.8	48.9	52.6	54.0	54.6	54.9	55.1	55.2	55.4	55.8	56.3	56.7	57.2

TOTAL NUMBER OF OBSERVATIONS 732

FL AL CLIMATOLOGY BRANCH
 ETAC
 WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

15-71
 STATION

ILDENHALL RAF K
 STATION NAME

4-87
 YEARS

YEARS

MONTHS

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

100-0500
 HOURS PER YEAR

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING	24.0	27.0	31.7	33.3	33.8	37.8	4.4	41.0	41.9	42.5	42.9	42.9	43.1	44.7	45.8	45.8
≥ 20000	2.5	22.9	34.0	35.7	36.2	40.6	43.3	44.0	45.1	45.6	46.7	46.7	46.2	47.6	49.1	49.1
≥ 18000	2.5	22.9	34.0	35.7	36.2	40.6	43.3	44.0	45.1	45.6	46.7	46.7	46.2	47.6	49.1	49.1
≥ 16000	2.5	22.9	34.0	35.7	36.2	40.6	43.3	44.0	45.1	45.6	46.7	46.7	46.2	47.6	49.1	49.1
≥ 14000	2.5	22.9	34.0	35.7	36.2	40.6	43.3	44.0	45.1	45.6	46.7	46.7	46.2	47.6	49.1	49.1
≥ 12000	2.5	22.9	34.0	35.7	36.2	40.6	43.3	44.0	45.1	45.6	46.7	46.7	46.2	47.6	49.1	49.1
≥ 10000	2.5	22.9	34.0	35.7	36.2	40.6	43.3	44.0	45.1	45.6	46.7	46.7	46.2	47.6	49.1	49.1
≥ 9000	2.5	22.9	34.0	35.7	36.2	40.6	43.3	44.0	45.1	45.6	46.7	46.7	46.2	47.6	49.1	49.1
≥ 8000	2.5	22.9	34.0	35.7	36.2	40.6	43.3	44.0	45.1	45.6	46.7	46.7	46.2	47.6	49.1	49.1
≥ 7000	2.5	22.9	34.0	35.7	36.2	40.6	43.3	44.0	45.1	45.6	46.7	46.7	46.2	47.6	49.1	49.1
≥ 6000	2.5	22.9	34.0	35.7	36.2	40.6	43.3	44.0	45.1	45.6	46.7	46.7	46.2	47.6	49.1	49.1
≥ 5000	2.5	22.9	34.0	35.7	36.2	40.6	43.3	44.0	45.1	45.6	46.7	46.7	46.2	47.6	49.1	49.1
≥ 4500	2.5	22.9	34.0	35.7	36.2	40.6	43.3	44.0	45.1	45.6	46.7	46.7	46.2	47.6	49.1	49.1
≥ 4000	2.5	22.9	34.0	35.7	36.2	40.6	43.3	44.0	45.1	45.6	46.7	46.7	46.2	47.6	49.1	49.1
≥ 3500	2.5	22.9	34.0	35.7	36.2	40.6	43.3	44.0	45.1	45.6	46.7	46.7	46.2	47.6	49.1	49.1
≥ 3000	2.5	22.9	34.0	35.7	36.2	40.6	43.3	44.0	45.1	45.6	46.7	46.7	46.2	47.6	49.1	49.1
≥ 2500	2.5	22.9	34.0	35.7	36.2	40.6	43.3	44.0	45.1	45.6	46.7	46.7	46.2	47.6	49.1	49.1
≥ 2000	2.5	22.9	34.0	35.7	36.2	40.6	43.3	44.0	45.1	45.6	46.7	46.7	46.2	47.6	49.1	49.1
≥ 1800	2.5	22.9	34.0	35.7	36.2	40.6	43.3	44.0	45.1	45.6	46.7	46.7	46.2	47.6	49.1	49.1
≥ 1600	2.5	22.9	34.0	35.7	36.2	40.6	43.3	44.0	45.1	45.6	46.7	46.7	46.2	47.6	49.1	49.1
≥ 1400	2.5	22.9	34.0	35.7	36.2	40.6	43.3	44.0	45.1	45.6	46.7	46.7	46.2	47.6	49.1	49.1
≥ 1200	2.5	22.9	34.0	35.7	36.2	40.6	43.3	44.0	45.1	45.6	46.7	46.7	46.2	47.6	49.1	49.1
≥ 1000	2.5	22.9	34.0	35.7	36.2	40.6	43.3	44.0	45.1	45.6	46.7	46.7	46.2	47.6	49.1	49.1
≥ 900	2.5	22.9	34.0	35.7	36.2	40.6	43.3	44.0	45.1	45.6	46.7	46.7	46.2	47.6	49.1	49.1
≥ 800	2.5	22.9	34.0	35.7	36.2	40.6	43.3	44.0	45.1	45.6	46.7	46.7	46.2	47.6	49.1	49.1
≥ 700	2.5	22.9	34.0	35.7	36.2	40.6	43.3	44.0	45.1	45.6	46.7	46.7	46.2	47.6	49.1	49.1
≥ 600	2.5	22.9	34.0	35.7	36.2	40.6	43.3	44.0	45.1	45.6	46.7	46.7	46.2	47.6	49.1	49.1
≥ 500	2.5	22.9	34.0	35.7	36.2	40.6	43.3	44.0	45.1	45.6	46.7	46.7	46.2	47.6	49.1	49.1
≥ 400	2.5	22.9	34.0	35.7	36.2	40.6	43.3	44.0	45.1	45.6	46.7	46.7	46.2	47.6	49.1	49.1
≥ 300	2.5	22.9	34.0	35.7	36.2	40.6	43.3	44.0	45.1	45.6	46.7	46.7	46.2	47.6	49.1	49.1
≥ 200	2.5	22.9	34.0	35.7	36.2	40.6	43.3	44.0	45.1	45.6	46.7	46.7	46.2	47.6	49.1	49.1
≥ 100	2.5	22.9	34.0	35.7	36.2	40.6	43.3	44.0	45.1	45.6	46.7	46.7	46.2	47.6	49.1	49.1
≥ 50	2.5	22.9	34.0	35.7	36.2	40.6	43.3	44.0	45.1	45.6	46.7	46.7	46.2	47.6	49.1	49.1

TOTAL NUMBER OF OBSERVATIONS 935

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
A WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1977 WILDENHALL RAF K

4-87

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

00-0800
HOURS LST

CEILING FEET	VISIBILITY: STATUTE MILES																OR HUNDREDS OF METERS													
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥1/64	≥1/128	≥1/256	≥1/512	≥1/1024	≥1/2048	≥1/4096	≥1/8192	≥1/16384	≥1/32768	≥1/65536	≥1/131072	≥1/262144	≥1/524288	
NO CEILING	2.0	22.8	23.4	3.4	3.8	32.6	34.4	34.9	35.9	36.6	36.6	36.9	37.0	37.3	37.3	38.2	2.0	25.8	32.3	35.1	35.4	37.7	39.7	40.3	41.3	41.9	42.0	42.4	42.9	43.9
≥18000	2.0	25.8	32.3	35.1	35.4	37.7	39.7	40.3	41.3	41.9	42.0	42.4	42.7	42.9	43.9	2.0	25.8	32.3	35.1	35.4	37.7	39.7	40.3	41.3	41.9	42.0	42.4	42.7	42.9	43.9
≥16000	2.0	25.8	32.3	35.1	35.4	37.7	39.7	40.3	41.3	41.9	42.0	42.4	42.7	42.9	43.9	2.0	25.8	32.3	35.1	35.4	37.7	39.7	40.3	41.3	41.9	42.0	42.4	42.7	42.9	43.9
≥14000	2.0	25.8	32.3	35.1	35.4	37.7	39.7	40.3	41.3	41.9	42.0	42.4	42.7	42.9	43.9	2.0	25.8	32.3	35.1	35.4	37.7	39.7	40.3	41.3	41.9	42.0	42.4	42.7	42.9	43.9
≥12000	2.0	25.8	32.3	35.1	35.4	37.7	39.7	40.3	41.3	41.9	42.0	42.4	42.7	42.9	43.9	2.0	25.8	32.3	35.1	35.4	37.7	39.7	40.3	41.3	41.9	42.0	42.4	42.7	42.9	43.9
≥10000	2.0	25.8	32.3	35.1	35.4	37.7	39.7	40.3	41.3	41.9	42.0	42.4	42.7	42.9	43.9	2.0	25.8	32.3	35.1	35.4	37.7	39.7	40.3	41.3	41.9	42.0	42.4	42.7	42.9	43.9
≥9000	2.0	25.8	32.3	35.1	35.4	37.7	39.7	40.3	41.3	41.9	42.0	42.4	42.7	42.9	43.9	2.0	25.8	32.3	35.1	35.4	37.7	39.7	40.3	41.3	41.9	42.0	42.4	42.7	42.9	43.9
≥8000	2.0	25.8	32.3	35.1	35.4	37.7	39.7	40.3	41.3	41.9	42.0	42.4	42.7	42.9	43.9	2.0	25.8	32.3	35.1	35.4	37.7	39.7	40.3	41.3	41.9	42.0	42.4	42.7	42.9	43.9
≥7000	2.0	25.8	32.3	35.1	35.4	37.7	39.7	40.3	41.3	41.9	42.0	42.4	42.7	42.9	43.9	2.0	25.8	32.3	35.1	35.4	37.7	39.7	40.3	41.3	41.9	42.0	42.4	42.7	42.9	43.9
≥6000	2.0	25.8	32.3	35.1	35.4	37.7	39.7	40.3	41.3	41.9	42.0	42.4	42.7	42.9	43.9	2.0	25.8	32.3	35.1	35.4	37.7	39.7	40.3	41.3	41.9	42.0	42.4	42.7	42.9	43.9
≥5000	2.0	25.8	32.3	35.1	35.4	37.7	39.7	40.3	41.3	41.9	42.0	42.4	42.7	42.9	43.9	2.0	25.8	32.3	35.1	35.4	37.7	39.7	40.3	41.3	41.9	42.0	42.4	42.7	42.9	43.9
≥4500	2.0	25.8	32.3	35.1	35.4	37.7	39.7	40.3	41.3	41.9	42.0	42.4	42.7	42.9	43.9	2.0	25.8	32.3	35.1	35.4	37.7	39.7	40.3	41.3	41.9	42.0	42.4	42.7	42.9	43.9
≥4000	2.0	25.8	32.3	35.1	35.4	37.7	39.7	40.3	41.3	41.9	42.0	42.4	42.7	42.9	43.9	2.0	25.8	32.3	35.1	35.4	37.7	39.7	40.3	41.3	41.9	42.0	42.4	42.7	42.9	43.9
≥3500	2.0	25.8	32.3	35.1	35.4	37.7	39.7	40.3	41.3	41.9	42.0	42.4	42.7	42.9	43.9	2.0	25.8	32.3	35.1	35.4	37.7	39.7	40.3	41.3	41.9	42.0	42.4	42.7	42.9	43.9
≥3000	2.0	25.8	32.3	35.1	35.4	37.7	39.7	40.3	41.3	41.9	42.0	42.4	42.7	42.9	43.9	2.0	25.8	32.3	35.1	35.4	37.7	39.7	40.3	41.3	41.9	42.0	42.4	42.7	42.9	43.9
≥2500	2.0	25.8	32.3	35.1	35.4	37.7	39.7	40.3	41.3	41.9	42.0	42.4	42.7	42.9	43.9	2.0	25.8	32.3	35.1	35.4	37.7	39.7	40.3	41.3	41.9	42.0	42.4	42.7	42.9	43.9
≥2000	2.0	25.8	32.3	35.1	35.4	37.7	39.7	40.3	41.3	41.9	42.0	42.4	42.7	42.9	43.9	2.0	25.8	32.3	35.1	35.4	37.7	39.7	40.3	41.3	41.9	42.0	42.4	42.7	42.9	43.9
≥1800	2.0	25.8	32.3	35.1	35.4	37.7	39.7	40.3	41.3	41.9	42.0	42.4	42.7	42.9	43.9	2.0	25.8	32.3	35.1	35.4	37.7	39.7	40.3	41.3	41.9	42.0	42.4	42.7	42.9	43.9
≥1500	2.0	25.8	32.3	35.1	35.4	37.7	39.7	40.3	41.3	41.9	42.0	42.4	42.7	42.9	43.9	2.0	25.8	32.3	35.1	35.4	37.7	39.7	40.3	41.3	41.9	42.0	42.4	42.7	42.9	43.9
≥1200	2.0	25.8	32.3	35.1	35.4	37.7	39.7	40.3	41.3	41.9	42.0	42.4	42.7	42.9	43.9	2.0	25.8	32.3	35.1	35.4	37.7	39.7	40.3	41.3	41.9	42.0	42.4	42.7	42.9	43.9
≥1000	2.0	25.8	32.3	35.1	35.4	37.7	39.7	40.3	41.3	41.9	42.0	42.4	42.7	42.9	43.9	2.0	25.8	32.3	35.1	35.4	37.7	39.7	40.3	41.3	41.9	42.0	42.4	42.7	42.9	43.9
≥900	2.0	25.8	32.3	35.1	35.4	37.7	39.7	40.3	41.3	41.9	42.0	42.4	42.7	42.9	43.9	2.0	25.8	32.3	35.1	35.4	37.7	39.7	40.3	41.3	41.9	42.0	42.4	42.7	42.9	43.9
≥800	2.0	25.8	32.3	35.1	35.4	37.7	39.7	40.3	41.3	41.9	42.0	42.4	42.7	42.9	43.9	2.0	25.8	32.3	35.1	35.4	37.7	39.7	40.3	41.3	41.9	42.0	42.4	42.7	42.9	43.9
≥700	2.0	25.8	32.3	35.1	35.4	37.7	39.7	40.3	41.3	41.9	42.0	42.4	42.7	42.9	43.9	2.0	25.8	32.3	35.1	35.4	37.7	39.7	40.3	41.3	41.9	42.0	42.4	42.7	42.9	43.9
≥600	2.0	25.8	32.3	35.1	35.4	37.7	39.7	40.3	41.3	41.9	42.0	42.4	42.7	42.9	43.9	2.0	25.8	32.3	35.1	35.4	37.7	39.7	40.3	41.3	41.9	42.0	42.4	42.7	42.9	43.9
≥500	2.0	25.8	32.3	35.1	35.4	37.7	39.7	40.3	41.3	41.9	42.0	42.4	42.7	42.9	43.9	2.0	25.8	32.3	35.1	35.4	37.7	39.7	40.3	41.3	41.9	42.0	42.4	42.7	42.9	43.9
≥400	2.0	25.8	32.3	35.1	35.4	37.7	39.7	40.3	41.3	41.9	42.0	42.4	42.7	42.9	43.9	2.0	25.8	32.3	35.1	35.4	37.7	39.7	40.3	41.3	41.9	42.0	42.4	42.7	42.9	43.9
≥300	2.0	25.8	32.3	35.1	35.4	37.7	39.7	40.3	41.3	41.9	42.0	42.4	42.7	42.9	43.9	2.0	25.8	32.3	35.1	35.4	37.7	39.7	40.3	41.3	41.9	42.0	42.4	42.7	42.9	43.9
≥200	2.0	25.8	32.3	35.1	35.4	37.7	39.7	40.3	41.3	41.9	42.0	42.4	42.7	42.9	43.9	2.0	25.8	32.3	35.1	35.4	37.7	39.7	40.3	41.3	41.9	42.0	42.4	42.7	42.9	43.9
≥100	2.0	25.8	32.3	35.1	35.4	37.7	39.7	40.3	41.3	41.9	42.0	42.4	42.7	42.9	43.9	2.0	25.8	32.3	35.1	35.4	37.7	39.7	40.3	41.3	41.9	42.0	42.4	42.7	42.9	43.9
≥0	2.0	25.8	32.3	35.1	35.4	37.7	39.7	40.3	41.3	41.9	42.0	42.4	42.7	42.9	43.9	2.0	25.8	32.3	35.1	35.4	37.7	39.7	40.3	41.3	41.9	42.0	42.4	42.7	42.9	43.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1571: ILDENHALL RAF K

4-87

307

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

000-100
HOURS

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 >10	≥6 GF9	≥5 GF8	≥4 GF6	≥3 GF4	≥2 GF4	≥2 GF12	≥1.5 GF24	≥1 GF2	≥1 GF16	≥.5 GF1	≥.5 GF10	≥.5 GF03	≥.5 GF05	≥.5 GF04	≥.5 GF02
NO CEILING		31.4	31.1	34.7	35.1	35.2	35.4	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
≥ 20000		3.1	36.9	40.4	41.0	41.1	41.3	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
≥ 18000		3.1	36.9	40.4	41.0	41.1	41.3	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
≥ 16000		3.2	36.9	40.4	41.0	41.1	41.3	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
≥ 14000		3.2	36.9	40.4	41.0	41.1	41.3	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
≥ 12000		3.5	37.1	40.8	41.3	41.4	41.6	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 10000		3.2	37.1	40.8	41.3	41.4	41.6	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 9000		3.2	37.1	40.8	41.3	41.4	41.6	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 8000		3.2	37.1	40.8	41.3	41.4	41.6	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 7000		3.2	37.1	40.8	41.3	41.4	41.6	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 6000		3.2	37.1	40.8	41.3	41.4	41.6	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 5000		3.2	37.1	40.8	41.3	41.4	41.6	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 4500		3.2	37.1	40.8	41.3	41.4	41.6	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 4000		3.2	37.1	40.8	41.3	41.4	41.6	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 3500		3.2	37.1	40.8	41.3	41.4	41.6	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 3000		3.2	37.1	40.8	41.3	41.4	41.6	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 2500		3.2	37.1	40.8	41.3	41.4	41.6	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 2000		3.2	37.1	40.8	41.3	41.4	41.6	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 1800		3.2	37.1	40.8	41.3	41.4	41.6	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 1500		3.2	37.1	40.8	41.3	41.4	41.6	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 1200		3.2	37.1	40.8	41.3	41.4	41.6	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 1000		3.2	37.1	40.8	41.3	41.4	41.6	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 900		3.2	37.1	40.8	41.3	41.4	41.6	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 800		3.2	37.1	40.8	41.3	41.4	41.6	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 700		3.2	37.1	40.8	41.3	41.4	41.6	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 600		3.2	37.1	40.8	41.3	41.4	41.6	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 500		3.2	37.1	40.8	41.3	41.4	41.6	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 400		3.2	37.1	40.8	41.3	41.4	41.6	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 300		3.2	37.1	40.8	41.3	41.4	41.6	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 200		3.2	37.1	40.8	41.3	41.4	41.6	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 100		3.2	37.1	40.8	41.3	41.4	41.6	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 0		3.2	37.1	40.8	41.3	41.4	41.6	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2

TOTAL NUMBER OF OBSERVATIONS 910

USAF ETAC FORM 10-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1971
STATION

WILDMAN RAP AK
STATION NAME

14-21
YEAR

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

100-1400
HOURS

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10	≥9.0	≥8.0	≥7.0	≥6.0	≥5.0	≥4.0	≥3.0	≥2.0	≥1.0	≥0.6	≥0.3	≥0.15	≥0.075	≥0.037	≥0.019
NO CEILING		1.2	31.7	32.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 20000		3.1	33.6	39.8	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
≥ 18000		3.5	39.7	40.2	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
≥ 16000		3.5	39.7	40.2	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
≥ 14000		3.5	39.7	40.2	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
≥ 12000		3.8	39.4	4.5	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
≥ 10000		3.8	40.4	41.7	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 9000		1.1	41.7	43.2	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
≥ 8000		4.1	44.7	46.5	46.9	46.9	46.9	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
≥ 7000		4.4	45.4	47.1	47.4	47.4	47.4	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 6000		4.3	45.9	47.6	48.1	48.1	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
≥ 5000		4.4	48.1	49.8	50.1	50.1	50.1	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 4500		3.5	44.2	55.9	56.2	56.2	56.2	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 4000		2.7	63.3	65.2	65.5	65.5	65.5	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 3500		1.7	72.6	74.5	74.8	74.8	74.8	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 3000		7.2	80.5	82.7	83.1	83.1	83.1	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 2500		3.9	85.3	87.8	88.2	88.2	88.2	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 2000		6.1	87.7	90.4	90.8	90.8	90.8	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 1800		6.1	87.8	90.4	90.8	90.8	90.8	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 1500		7.2	88.9	92.5	92.9	93.1	93.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1200		8.6	91.8	94.9	95.7	95.8	95.8	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1000		9.6	91.7	95.9	96.7	96.9	96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 900		8.8	91.9	96.1	96.9	97.1	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 800		8.8	91.9	96.1	97.1	97.3	97.3	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 700		8.8	91.9	96.1	97.2	97.4	97.4	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 600		8.8	91.9	96.1	97.2	97.4	97.4	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 500		8.9	92.0	96.2	97.4	97.6	97.6	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 400		8.9	92.0	96.2	97.4	97.6	97.6	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 300		8.9	92.0	96.2	97.5	97.7	97.7	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 200		8.9	92.0	96.2	97.5	97.7	97.7	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 100		8.9	92.0	96.2	97.5	97.7	97.7	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 0		8.9	92.0	96.2	97.5	97.7	97.7	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GENERAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE MAC

CEILING VERSUS VISIBILITY

STATION: ILDENHALL RAF K

4-87

YEARS

MONTHS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

13 0-1700
HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥0
NO CEILING	12.7	32.6	33.2	33.2	33.2	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
≥20000	0.2	40.5	41.2	41.2	41.2	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
≥18000	0.2	40.5	41.2	41.2	41.2	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
≥16000	0.2	40.5	41.2	41.2	41.2	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
≥14000	0.2	40.5	41.2	41.2	41.2	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
≥12000	1.0	41.3	41.9	41.9	41.9	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥10000	4.5	46.2	47.0	47.0	47.0	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥9000	4.5	46.2	47.0	47.0	47.0	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥8000	4.4	49.8	51.1	51.1	51.0	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥7000	5.1	51.3	52.5	52.5	52.5	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥6000	1.4	52.1	53.2	53.2	53.2	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥5000	5.2	56.7	57.8	57.8	57.8	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥4500	4.1	61.9	65.1	65.9	65.9	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥4000	4.1	74.7	76.5	76.7	76.7	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥3500	7.5	81.1	82.2	82.4	82.4	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥3000	4.2	85.2	87.4	87.6	87.6	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥2500	7.5	88.6	91.3	91.6	91.6	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥2000	8.1	90.3	93.1	93.4	93.4	94.1	94.2	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥1800	9.1	91.1	93.1	93.4	93.4	94.1	94.2	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥1500	9.6	91.1	94.6	95.1	95.1	95.7	96.1	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥1200	10.2	91.6	95.5	95.9	95.9	96.8	97.2	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥1000	10.5	92.2	96.1	96.7	96.7	97.5	98.1	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥900	10.6	92.3	96.3	96.9	96.9	97.7	98.2	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥800	10.9	92.5	96.6	97.1	97.2	98.2	98.6	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥700	11.1	92.6	96.8	97.3	97.4	98.6	99.1	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥600	11.0	92.6	96.9	97.5	97.6	98.8	99.2	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥500	11.0	92.7	97.0	97.6	97.7	98.9	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥400	11.0	92.7	97.0	97.6	97.7	98.9	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥300	11.1	92.7	97.1	97.6	97.7	98.9	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥200	11.1	92.7	97.1	97.6	97.7	98.9	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥100	11.0	92.7	97.1	97.6	97.7	98.9	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥0	11.0	92.7	97.0	97.6	97.7	98.9	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

15-7
 STATION

ILDENHALL PAF K
 STATION NAME

4-83
 YEARS

3 JJS
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0-0000
 HOURS

CEILING (FEET)	VISIBILITY: STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 MI	≥6 MI	≥5 MI	≥4 MI	≥3 MI	≥2.5 MI	≥2 MI	≥1.5 MI	≥1 MI	≥0.75 MI	≥0.5 MI	≥0.25 MI	≥0.15 MI	≥0.1 MI	≥0.05 MI	≥0.01 MI
NO CEILING		3.6	38.2	39.8	4.7	40.7	40.2	47.2	4.2	47.2	47.2	47.2	47.2	47.2	47.2	40.2
≥ 20000		4.2	44.8	47.0	47.5	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 18000		4.2	44.8	47.0	47.5	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 16000		4.2	44.8	47.0	47.5	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 14000		4.2	44.8	47.0	47.5	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 12000		4.2	44.8	47.0	47.5	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 10000		4.2	44.8	47.0	47.5	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 9000		4.2	44.8	47.0	47.5	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 8000		4.2	44.8	47.0	47.5	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 7000		4.2	44.8	47.0	47.5	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 6000		4.2	44.8	47.0	47.5	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 5000		4.2	44.8	47.0	47.5	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 4500		4.2	44.8	47.0	47.5	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 4000		4.2	44.8	47.0	47.5	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 3500		4.2	44.8	47.0	47.5	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 3000		4.2	44.8	47.0	47.5	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 2500		4.2	44.8	47.0	47.5	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 2000		4.2	44.8	47.0	47.5	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 1800		4.2	44.8	47.0	47.5	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 1600		4.2	44.8	47.0	47.5	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 1400		4.2	44.8	47.0	47.5	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 1200		4.2	44.8	47.0	47.5	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 1000		4.2	44.8	47.0	47.5	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 900		4.2	44.8	47.0	47.5	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 800		4.2	44.8	47.0	47.5	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 700		4.2	44.8	47.0	47.5	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 600		4.2	44.8	47.0	47.5	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 500		4.2	44.8	47.0	47.5	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 400		4.2	44.8	47.0	47.5	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 300		4.2	44.8	47.0	47.5	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 200		4.2	44.8	47.0	47.5	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 100		4.2	44.8	47.0	47.5	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 0		4.2	44.8	47.0	47.5	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7

TOTAL NUMBER OF OBSERVATIONS 33

GENERAL CLIMATOLOGY BRANCH
 ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
 7577

STATION NAME
 ILDENHALL RAF K

4-67

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

10-2370
 HOURS

CEILING FEET	VISIBILITY STATUTE MILES OR (IN METERS)															
	≥ 10 250	26 250	25 229	24 219	23 209	22 200	21 190	20 180	19 170	18 160	17 150	16 140	15 130	14 120	13 100	12 90
NO CEILING	4.3	46.5	51.7	51.7	51.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 20000	4.3	48.7	54.3	55.3	55.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 18000	4.3	48.7	54.3	55.3	55.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 16000	4.3	48.7	54.3	55.3	55.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 14000	4.3	48.7	54.3	55.3	55.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 12000	4.3	48.7	54.3	55.3	55.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 10000	4.3	50.6	56.2	57.3	57.3	58.2	58.2	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 9000	4.3	51.9	57.4	58.5	58.5	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 8000	2.6	55.7	61.9	63.2	63.2	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 7000	3.1	56.2	62.5	63.8	63.8	64.7	64.7	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 6000	3.5	56.7	62.9	64.2	64.2	65.2	65.2	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 5000	5.7	57.8	66.1	67.5	67.5	68.5	68.5	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 4500	6.3	63.9	71.9	71.9	71.9	73.0	73.0	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8	74.1
≥ 4000	6.7	71.9	79.9	80.4	80.4	81.5	81.5	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.5
≥ 3500	6.8	75.1	82.4	83.9	83.9	84.9	84.9	85.3	85.3	85.6	85.6	85.7	85.7	85.7	85.7	85.9
≥ 3000	3.3	77.6	85.2	86.7	86.7	87.8	87.8	88.5	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.8
≥ 2500	4.6	79.7	86.9	88.7	88.7	89.9	89.9	90.3	90.3	90.6	90.6	90.8	90.8	90.8	90.8	91.0
≥ 2000	6.0	81.2	89.5	91.3	91.3	92.6	92.6	93.4	93.4	93.8	93.8	93.9	93.9	93.9	93.9	94.1
≥ 1500	6.5	81.3	89.7	91.5	91.5	93.0	93.0	93.7	93.7	94.0	94.0	94.1	94.1	94.1	94.1	94.3
≥ 1200	7.3	82.2	90.6	92.5	92.5	94.0	94.0	94.8	94.8	95.2	95.2	95.3	95.3	95.3	95.3	95.5
≥ 1000	7.6	82.6	91.3	93.1	93.1	94.6	94.6	95.5	95.5	95.8	95.8	95.9	95.9	95.9	95.9	96.1
≥ 900	7.8	82.8	91.7	93.5	93.5	95.1	95.1	95.9	95.9	96.2	96.2	96.3	96.3	96.3	96.3	96.6
≥ 800	7.8	82.8	91.7	93.5	93.5	95.1	95.1	95.9	95.9	96.2	96.2	96.3	96.3	96.3	96.3	96.6
≥ 700	7.3	83.2	92.2	94.1	94.1	95.7	95.7	96.3	96.3	97.0	97.0	97.3	97.3	97.4	97.4	97.6
≥ 600	7.4	83.4	93.3	95.5	95.5	97.4	97.4	98.6	98.6	98.9	98.9	99.0	99.0	99.0	99.0	99.2
≥ 500	7.4	83.4	93.3	95.5	95.5	97.4	97.4	98.6	98.6	98.9	98.9	99.0	99.0	99.0	99.0	99.2
≥ 400	7.4	83.4	93.3	95.5	95.5	97.4	97.4	98.6	98.6	98.9	98.9	99.0	99.0	99.0	99.0	99.2
≥ 300	7.4	83.4	93.3	95.5	95.5	97.4	97.4	98.6	98.6	98.9	98.9	99.0	99.0	99.0	99.0	99.2
≥ 200	7.4	83.4	93.3	95.5	95.5	97.4	97.4	98.6	98.6	98.9	98.9	99.0	99.0	99.0	99.0	99.2
≥ 100	7.5	83.5	93.5	95.7	95.7	97.7	97.7	99.1	99.1	99.6	99.6	99.8	99.8	99.8	99.8	100.0
≥ 0	7.5	83.5	93.5	95.7	95.7	97.7	97.7	99.1	99.1	99.6	99.6	99.8	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 337

CLIMATOLGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

15771
STATION

ILDENHALL RAF K
STATION NAME

4-67
YEARS

1967
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS 1-24

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	210	240	270	300	330	360	390	420	450	480	510	540	570	600	630	660
NO CEILING	2.7	3.7	37.1	37.9	38.7	39.3	40.1	40.3	40.6	40.8	40.9	41.7	41.7	41.3	41.6	41.6
20000	3.7	38.2	42.1	43.1	43.2	44.7	45.5	45.7	46.0	46.2	46.3	46.4	46.5	46.7	47.1	47.1
18000	36.7	38.3	42.2	43.1	43.3	44.8	45.6	45.8	46.1	46.3	46.4	46.4	46.5	46.8	47.2	47.2
16000	36.7	38.3	42.2	43.1	43.3	44.8	45.6	45.8	46.1	46.3	46.4	46.5	46.5	46.8	47.2	47.2
14000	36.7	38.3	42.2	43.2	43.3	44.8	45.7	45.9	46.2	46.4	46.5	46.5	46.6	46.9	47.2	47.2
12000	3.1	39.6	42.5	43.5	43.6	45.2	46.0	46.2	46.5	46.7	46.8	46.9	46.9	47.2	47.6	47.6
10000	3.3	4.9	44.9	45.9	46.1	47.6	48.6	48.7	49.1	49.3	49.4	49.4	49.5	49.8	50.2	50.2
9000	3.2	41.7	46.1	47.1	47.2	48.8	49.8	49.9	5.3	57.5	57.6	5.7	50.8	51.0	51.4	51.4
8000	3.3	45.7	49.6	50.7	50.9	52.5	53.6	53.8	54.2	54.4	54.6	54.6	54.7	55.1	55.4	55.4
7000	4.1	46.7	50.6	51.7	51.9	53.6	54.6	54.9	55.3	55.6	55.7	55.8	55.9	56.2	56.5	56.5
6000	4.3	46.3	5.9	52.1	52.2	53.9	55.0	55.2	55.7	55.9	56.0	56.1	56.2	56.5	56.9	56.9
5000	4.1	47.9	53.6	54.8	55.1	55.7	57.8	58.1	58.5	58.8	58.9	59.7	59.7	59.8	59.8	59.8
4500	1.4	53.3	53.2	59.4	59.6	61.4	62.6	62.9	63.4	63.6	63.7	63.8	63.9	64.2	64.6	64.6
4000	5.6	61.9	67.3	69.7	68.9	70.9	72.1	72.4	73.1	73.2	73.4	73.5	73.6	73.9	74.3	74.3
3500	4.1	66.5	2.2	73.6	73.8	75.8	77.1	77.4	78.0	78.2	78.4	78.5	78.5	78.9	79.3	79.3
3000	6.8	7.3	76.4	77.8	78.1	80.2	1.5	81.7	82.4	82.6	82.8	82.8	82.9	83.3	83.7	83.7
2500	1.1	77.6	79.1	81.6	81.8	83.9	84.2	84.5	85.1	85.4	85.5	85.6	85.7	86.0	86.4	86.4
2000	2.2	74.9	91.6	83.2	83.4	85.7	87.1	87.4	88.1	88.3	88.4	88.5	88.5	88.9	89.3	89.3
1800	3.3	75.1	81.8	83.4	83.6	86.1	87.4	87.7	88.4	88.6	88.8	88.8	88.9	89.2	89.7	89.7
1600	3.1	76.5	83.7	85.5	85.7	88.1	89.8	90.1	90.8	91.1	91.1	91.2	91.3	91.6	92.1	92.1
1400	4.6	77.7	85.1	87.0	87.3	89.8	91.6	91.9	92.6	92.8	92.9	93.1	93.1	93.5	93.9	93.9
1200	5.1	78.1	95.9	87.8	88.1	9.6	92.5	92.8	93.5	93.7	93.9	94.7	94.7	94.4	94.8	94.8
1000	5.1	78.3	86.1	88.1	88.3	91.7	92.9	93.3	93.9	94.2	94.3	94.4	94.5	94.8	95.2	95.2
900	5.3	78.5	96.4	88.4	88.7	91.6	93.5	93.9	94.6	94.8	95.1	95.1	95.2	95.5	96.1	96.1
800	5.4	77.6	96.7	88.8	89.1	92.2	94.2	94.6	95.3	95.6	95.7	95.8	95.9	96.2	96.7	96.7
700	5.4	78.7	86.9	89.1	89.4	92.6	94.6	95.1	95.9	96.1	96.2	96.3	96.4	96.8	97.2	97.2
600	5.5	78.8	87.1	89.4	89.7	93.1	95.1	95.6	96.3	96.6	96.7	96.8	97.0	97.3	97.8	97.8
500	5.5	78.8	87.1	89.5	89.8	93.2	95.4	96.1	96.8	97.1	97.2	97.3	97.5	97.8	98.3	98.3
400	5.5	78.8	87.1	89.5	89.8	93.2	95.4	96.1	96.8	97.1	97.2	97.3	97.5	97.8	98.3	98.3
300	5.5	78.8	87.1	89.5	89.8	93.2	95.4	96.1	96.8	97.1	97.2	97.3	97.5	97.8	98.3	98.3
200	5.5	78.8	87.1	89.5	89.8	93.2	95.4	96.1	96.8	97.1	97.2	97.3	97.5	97.8	98.3	98.3
100	5.5	78.8	87.1	89.5	89.8	93.2	95.4	96.1	96.8	97.1	97.2	97.3	97.5	97.8	98.3	98.3
0	5.5	78.8	87.1	89.5	89.8	93.2	95.4	96.1	96.8	97.1	97.2	97.3	97.5	97.8	98.3	98.3

TOTAL NUMBER OF OBSERVATIONS 7990

GLOBAL CLIMATOLOGY BRANCH
 METAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 1577 ILDENHALL PAF K

4-87

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

000-0000
 HOURS 1-24

CEILING FEET	VISIBILITY STATUTE MILES																OR (IN METERS F. METERS)			
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005	≥0.0025	≥0.001	≥0.0005
≥10000	3.0	33.5	44.9	46.3	46.8	43.9	45.4	49.8	5.7	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
9000	1.0	42.2	49.2	50.7	51.1	53.4	54.0	54.3	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
8000	1.0	42.3	49.3	50.8	51.2	53.6	54.1	54.4	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
7000	4.0	42.3	49.3	5.7	51.2	53.5	54.1	54.4	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
6000	4.0	42.3	49.3	5.8	51.2	53.6	54.1	54.4	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
5000	4.0	42.4	49.4	5.9	51.3	53.7	54.2	54.6	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
4000	2.1	44.1	51.4	52.9	53.3	55.7	56.2	56.9	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
3000	4.0	44.9	52.2	53.9	54.3	57.1	57.9	58.6	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
2000	4.0	43.3	56.2	58.7	58.4	61.3	62.1	62.8	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
1000	4.6	43.9	56.8	58.8	59.2	62.1	62.9	63.6	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
800	4.2	49.3	57.2	59.2	59.7	62.6	63.3	64.0	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
700	4.0	51.1	59.3	61.3	61.8	64.7	65.4	66.1	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
600	3.6	5.7	64.7	66.8	67.2	70.1	70.9	71.6	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
500	5.7	62.1	71.2	73.3	73.8	76.8	77.9	78.6	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
400	3.6	65.3	74.8	76.9	77.3	8.0	82.0	82.7	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
300	5.1	68.7	78.0	80.1	80.6	84.1	85.2	85.9	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
250	6.1	70.0	80.3	82.4	82.9	86.4	87.6	88.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
200	6.2	72.1	82.4	84.6	85.0	88.7	89.8	90.4	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
180	5.2	77.1	82.4	84.6	85.0	88.7	89.8	90.4	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
160	7.4	73.4	84.4	86.7	87.1	9.9	92.6	93.0	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
140	0.7	73.7	84.8	87.4	87.9	92.0	92.7	94.3	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
120	7.9	73.9	85.0	87.7	88.1	92.2	94.3	95.0	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
100	7.3	73.1	85.1	87.9	88.3	92.6	94.7	95.3	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
80	7.3	71.9	85.0	88.0	88.4	92.7	94.8	95.4	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
700	1.2	74.4	85.8	88.7	89.1	93.6	95.7	96.3	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
600	1.2	74.4	85.9	88.8	89.2	93.7	95.8	96.4	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
500	1.2	74.4	86.1	89.0	89.4	94.1	96.3	97.0	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
400	1.3	74.6	86.2	89.1	89.6	94.2	96.4	97.1	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
300	1.3	74.6	86.2	89.1	89.6	94.3	96.6	97.3	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
200	1.3	74.6	86.2	89.1	89.6	94.3	96.6	97.3	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
100	1.3	74.6	86.2	89.1	89.6	94.3	96.6	97.3	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
0	1.3	74.6	86.2	89.1	89.6	94.3	96.6	97.3	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2

TOTAL NUMBER OF OBSERVATIONS 970

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

3571
STATION

ILDENHALL DAF K
STATION NAME

4-87
YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

22-2572
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10 5/16	20 3/8	25 1/2	30 3/4	35 7/8	40 1	45 1 1/8	50 1 1/4	55 1 1/2	60 1 3/4	65 1 7/8	70 2	75 2 1/4	80 2 1/2	85 2 3/4	90 3
NO CEILING	1.4	31.4	36.9	37.7	38.4	41.7	41.6	42.0	42.4	42.4	43.1	43.4	44.0	44.3	45.0	45.4
≥ 20000	1.0	35.7	41.0	41.3	42.3	45.2	46.2	46.8	47.3	47.3	48.0	48.3	49.0	49.2	49.9	49.9
≥ 18000	1.0	35.7	41.0	41.3	42.3	45.2	46.2	46.8	47.3	47.3	48.0	48.3	49.0	49.2	49.9	49.9
≥ 16000	1.0	35.7	41.0	41.3	42.3	45.2	46.2	46.8	47.3	47.3	48.0	48.3	49.0	49.2	49.9	49.9
≥ 14000	1.0	35.7	41.0	41.3	42.3	45.2	46.2	46.8	47.3	47.3	48.0	48.3	49.0	49.2	49.9	49.9
≥ 12000	1.1	35.2	41.2	42.1	42.6	45.4	46.4	47.0	47.6	47.6	48.2	48.6	49.2	49.4	50.1	50.1
≥ 10000	1.3	36.0	42.3	43.2	43.7	46.7	47.8	48.4	49.0	49.0	49.7	50.0	50.7	50.9	51.6	51.6
≥ 9000	1.1	36.1	42.4	43.4	43.7	47.4	48.6	49.2	49.9	49.9	50.6	50.9	51.6	51.8	52.4	52.4
≥ 8000	1.0	35.1	45.9	47.7	47.4	51.0	52.1	52.8	53.4	53.4	54.1	54.1	54.8	55.2	55.4	56.1
≥ 7000	1.2	35.4	46.2	47.7	48.1	51.7	52.8	53.4	54.1	54.1	54.8	55.2	55.9	56.1	56.8	56.8
≥ 6000	1.3	35.6	46.7	48.1	48.6	52.1	53.2	53.9	54.6	54.6	55.2	55.7	56.0	56.6	57.2	57.2
≥ 5000	1.7	41.0	49.4	49.9	50.3	53.9	55.0	55.7	56.3	56.3	57.0	57.4	58.1	59.3	59.0	59.0
≥ 4500	14.1	45.9	55.1	56.8	57.2	61.2	62.6	63.2	63.9	63.9	64.6	65.0	65.7	65.9	66.6	66.6
≥ 4000	2.2	52.4	61.6	63.3	63.8	67.9	69.4	70.1	70.8	70.8	71.4	71.9	72.6	72.8	73.4	73.4
≥ 3500	5.2	55.8	64.8	66.6	67.0	71.2	72.8	73.4	74.1	74.1	74.8	75.2	75.9	76.1	76.8	76.8
≥ 3000	5.7	59.9	69.3	71.3	71.8	76.2	77.9	78.7	79.3	79.3	80.0	80.4	81.1	81.3	82.0	82.0
≥ 2500	5.9	63.2	72.2	74.4	74.4	78.9	80.6	81.3	82.0	82.0	82.7	83.1	83.9	84.1	84.8	84.8
≥ 2000	6.2	64.7	75.1	77.2	77.7	82.1	83.9	84.7	85.3	85.3	86.0	86.4	87.2	87.4	88.1	88.1
≥ 1800	11.9	65.2	75.7	77.8	78.2	83.7	84.4	85.2	85.9	85.9	86.6	87.0	87.8	88.0	88.7	88.7
≥ 1500	3.6	67.0	77.8	80.1	80.6	85.1	86.9	87.8	88.8	88.8	89.4	89.9	90.7	90.9	91.6	91.6
≥ 1200	53.0	67.3	78.2	80.6	81.0	85.9	87.7	88.6	89.6	89.6	90.2	90.7	91.4	91.7	92.3	92.3
≥ 1000	4.3	67.8	78.7	81.0	81.4	86.4	88.3	89.7	90.2	90.2	90.9	91.3	92.1	92.3	93.0	93.0
≥ 900	4.4	67.9	78.8	81.1	81.6	86.5	88.4	89.9	90.9	90.9	91.6	92.0	92.8	93.0	93.7	93.7
≥ 800	4.3	68.2	79.6	81.9	82.3	87.7	89.6	90.7	91.7	91.7	92.3	92.8	93.6	93.8	94.4	94.4
≥ 700	4.3	68.2	79.8	82.1	82.6	88.0	89.9	91.0	92.1	92.1	92.8	93.2	94.0	94.2	94.9	94.9
≥ 600	4.3	68.2	80.1	82.4	82.9	88.3	90.0	91.3	92.4	92.4	93.1	93.6	94.3	94.6	95.2	95.2
≥ 500	4.3	68.2	80.3	83.1	83.6	89.3	91.6	92.4	93.6	93.6	94.2	94.7	95.4	95.7	96.3	96.3
≥ 400	5.1	68.6	80.8	83.6	84.0	89.9	92.1	93.0	94.2	94.2	94.9	95.3	96.1	96.3	97.0	97.0
≥ 300	5.1	68.6	80.8	83.7	84.1	90.0	92.2	93.1	94.4	94.6	95.2	95.7	96.7	96.9	97.6	97.6
≥ 200	5.1	68.6	80.8	83.7	84.1	90.0	92.2	93.1	94.4	94.6	95.2	95.7	96.7	96.9	97.6	97.6
≥ 100	5.1	68.6	80.8	83.7	84.1	90.0	92.2	93.1	94.4	94.6	95.2	95.7	96.7	96.9	97.6	97.6
≥ 0	5.1	68.6	80.8	83.7	84.1	90.0	92.2	93.1	94.4	94.6	95.2	95.7	96.7	96.9	97.6	97.6

TOTAL NUMBER OF OBSERVATIONS 270

GLOBAL CLIMATOLOGY BRANCH
 ETAC
 AIR FATHER SERVICE MAC

CEILING VERSUS VISIBILITY

1577
 STATION

ILDENHALL RAF K
 STATION NAME

4-87
 YEARS

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

100-2400
 HOURS

CEILING FEET	VISIBILITY - STATUTE MILES																OR (HUNDREDS OF METERS)													
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥1/64	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥1/64	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥1/64
NO CEILING	2.1	25.4	29.0	3.1	7.2	31.4	32.9	33.7	35.	35.4	35.6	35.8	35.9	35.9	35.9	35.6														
≥20000	2.0	30.7	36.2	37.3	37.4	39.8	40.3	41.3	42.8	43.2	43.4	43.9	44.	44.7	44.9															
≥18000	2.0	30.7	36.2	37.3	37.4	39.8	40.3	41.3	42.8	43.2	43.4	43.9	44.	44.7	44.9															
≥16000	2.0	30.7	36.2	37.3	37.4	39.8	40.3	41.3	42.8	43.2	43.4	43.9	44.	44.7	44.9															
≥14000	2.0	30.7	36.2	37.3	37.4	39.8	40.3	41.3	42.8	43.2	43.4	43.9	44.	44.7	44.9															
≥12000	2.1	31.	36.4	37.7	37.8	39.1	40.7	41.7	43.1	43.6	43.8	44.1	44.3	44.3	45.2															
≥10000	1.0	33.0	38.4	39.9	40.0	41.4	43.	44.2	45.9	46.3	46.6	46.9	47.1	47.1	48.1															
≥9000	3.0	33.7	39.2	40.7	40.8	42.2	43.8	45.0	46.7	47.1	47.3	47.7	47.9	47.9	48.9															
≥8000	3.3	37.7	43.7	45.2	45.3	46.8	48.3	49.9	51.7	52.1	52.3	52.7	52.9	52.9	53.9															
≥7000	35.	38.2	44.3	45.9	46.1	47.7	49.2	50.8	52.6	53.2	53.4	53.8	54.0	54.0	55.0															
≥6000	35.	38.4	44.6	46.1	46.3	47.9	49.4	51.	52.8	53.2	53.4	53.8	54.0	54.0	55.0															
≥5000	3.0	39.9	46.1	47.7	47.9	49.4	51.	52.6	54.6	55.	55.3	55.7	55.9	55.9	56.9															
≥4500	1.4	44.7	51.7	53.4	53.7	55.4	57.1	58.8	61.2	61.7	62.	62.3	62.6	62.6	63.6															
≥4000	45.1	45.3	56.9	59.1	59.6	61.9	63.8	65.7	68.1	69.6	69.9	70.2	70.2	71.4	71.4															
≥3500	4.0	52.	59.8	62.7	62.8	64.9	66.8	68.7	71.1	71.	71.9	72.2	72.4	72.4	73.4															
≥3000	4.9	53.9	62.2	64.6	65.1	67.6	69.4	71.4	73.9	74.3	74.7	75.	75.3	75.3	76.3															
≥2500	2.7	56.7	65.7	69.1	68.7	71.1	73.	75.	77.4	77.9	78.2	78.6	78.9	78.9	79.9															
≥2000	4.6	58.7	67.7	70.2	70.8	73.3	75.2	77.3	79.8	80.2	80.6	80.9	81.2	81.2	82.2															
≥1800	54.1	59.	68.1	70.9	71.3	73.9	75.8	77.9	80.3	80.8	81.1	81.4	81.8	81.8	82.8															
≥1500	5.7	61.1	70.6	73.2	73.8	76.4	78.4	80.8	83.3	83.7	84.3	84.7	85.0	85.0	86.0															
≥1200	5.4	62.9	72.7	75.7	76.3	79.	81.2	83.9	86.4	86.9	87.4	87.8	88.1	88.1	89.1															
≥1000	5.1	63.9	73.8	76.8	77.4	80.3	82.7	85.4	88.1	88.7	89.2	89.6	89.9	89.9	90.9															
≥900	5.0	64.7	74.6	77.6	78.2	81.1	83.4	86.2	89.1	89.7	90.2	90.6	90.9	90.9	91.9															
≥800	5.9	65.4	75.7	78.7	79.3	82.2	84.6	87.3	90.2	90.8	91.3	91.7	92.0	92.0	93.0															
≥700	.1	65.7	76.1	79.1	79.8	82.9	85.4	88.2	91.1	91.7	92.2	92.6	92.9	92.9	93.9															
≥600	0.1	65.7	76.3	79.3	80.0	83.1	85.7	88.4	91.4	92.	92.6	92.9	93.	93.2	94.2															
≥500	0.2	65.8	76.4	79.6	80.2	83.6	86.3	89.2	92.4	93.	93.7	94.	94.3	94.3	95.3															
≥400	0.2	65.8	76.6	79.7	80.3	83.9	86.8	89.7	92.9	93.4	94.1	94.4	94.9	94.9	95.9															
≥300	.2	65.8	76.6	79.7	80.3	84.2	87.1	90.0	93.6	94.1	94.8	95.1	95.7	95.7	96.7															
≥200	.2	65.8	76.6	79.7	80.3	84.2	87.1	90.0	93.6	94.1	94.8	95.1	95.9	96.0	97.3															
≥100	0.2	65.8	76.6	79.7	80.3	84.2	87.1	90.0	93.7	94.2	94.9	95.2	96.1	96.2	99.1															
≥0	0.2	65.8	76.6	79.7	80.3	84.2	87.1	90.0	93.7	94.2	94.9	95.2	96.1	96.2	100.0															

TOTAL NUMBER OF OBSERVATIONS 970

USAF ETAC FORM 101-64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GENERAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION IDENHALL RAF K

4-83

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

00-100
HOURS PER DAY

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95
20000	30.2	33.3	33.3	33.6	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.3
18000	30.2	33.3	33.3	33.6	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.3
16000	30.2	33.3	33.3	33.6	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.3
14000	30.2	33.3	33.3	33.6	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.3
12000	30.2	33.3	33.3	33.6	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.3
10000	30.2	33.3	33.3	33.6	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.3
8000	30.2	33.3	33.3	33.6	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.3
6000	30.2	33.3	33.3	33.6	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.3
5000	30.2	33.3	33.3	33.6	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.3
4500	30.2	33.3	33.3	33.6	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.3
4000	30.2	33.3	33.3	33.6	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.3
3500	30.2	33.3	33.3	33.6	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.3
3000	30.2	33.3	33.3	33.6	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.3
2500	30.2	33.3	33.3	33.6	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.3
2000	30.2	33.3	33.3	33.6	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.3
1800	30.2	33.3	33.3	33.6	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.3
1600	30.2	33.3	33.3	33.6	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.3
1400	30.2	33.3	33.3	33.6	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.3
1200	30.2	33.3	33.3	33.6	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.3
1000	30.2	33.3	33.3	33.6	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.3
800	30.2	33.3	33.3	33.6	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.3
600	30.2	33.3	33.3	33.6	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.3
500	30.2	33.3	33.3	33.6	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.3
400	30.2	33.3	33.3	33.6	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.3
300	30.2	33.3	33.3	33.6	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.3
200	30.2	33.3	33.3	33.6	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.3
100	30.2	33.3	33.3	33.6	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.3
50	30.2	33.3	33.3	33.6	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.3
0	30.2	33.3	33.3	33.6	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.3

TOTAL NUMBER OF OBSERVATIONS 970

USAF ETAC FORM 101-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 OFFICE C
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1971
 STATION

ILDENHALL RAF K
 STATION NAME

4-67

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

12 0-1400
 HOURS 157

CEILING FEET	VISIBILITY: STATUTE MILES															
	≥10 10	26 26	25 25	24 24	23 23	22 22	21 21	20 20	19 19	18 18	17 17	16 16	15 15	14 14	13 13	12 12
NO. CEILING 20000		1.2	31.4	31.7	31.7	32.2	32.3	32.3	32.3	32.7	32.8	32.8	32.8	32.8	32.8	32.8
2 18000		41.4	41.7	42.4	42.4	42.8	43.0	43.2	43.3	43.3	43.4	43.4	43.4	43.4	43.4	43.4
2 16000		41.4	42.3	42.9	42.9	43.2	43.4	43.4	43.4	43.3	43.9	43.9	43.9	43.9	43.9	43.9
2 14000		2.1	42.4	43.7	43.7	43.3	43.6	43.6	43.6	43.9	44.0	44.0	44.0	44.0	44.0	44.0
2 12000		2.1	42.6	43.1	43.1	43.4	43.7	43.7	43.7	44.0	44.1	44.1	44.1	44.1	44.1	44.1
2 10000		4.0	45.6	46.6	46.6	46.9	47.2	47.2	47.2	47.6	47.7	47.7	47.7	47.7	47.7	47.7
2 9000		4.2	46.3	47.8	47.8	48.1	48.4	48.4	48.4	48.8	48.9	48.9	48.9	48.9	48.9	48.9
2 8000		1.1	51.7	51.8	51.8	51.1	52.4	52.4	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9
2 7000		1.3	51.9	53.1	53.1	53.3	53.7	53.7	53.7	54.0	54.1	54.1	54.1	54.1	54.1	54.1
2 6000		1.6	52.1	53.2	53.2	53.6	53.9	53.9	53.9	54.2	54.3	54.3	54.3	54.3	54.3	54.3
2 5000		4.1	54.7	55.9	55.9	56.2	56.6	56.6	56.6	56.9	57.0	57.0	57.0	57.0	57.0	57.0
2 4500		5.4	57.2	58.6	58.6	58.9	59.2	59.2	59.2	59.6	59.7	59.7	59.7	59.7	59.7	59.7
2 4000		3.2	64.1	65.3	65.3	65.8	66.1	66.1	66.1	66.4	66.6	66.6	66.6	66.6	66.6	66.6
2 3500		6.5	71.4	71.9	72.1	72.6	73.1	73.1	73.1	73.3	73.4	73.4	73.4	73.4	73.4	73.4
2 3000		7.1	78.7	79.6	79.9	80.3	80.9	80.9	80.9	81.4	81.6	81.6	81.6	81.6	81.6	81.6
2 2500		3.4	84.6	86.1	86.4	86.9	87.4	87.4	87.4	88.1	88.1	88.1	88.1	88.1	88.1	88.1
2 2000		6.1	87.2	88.9	89.2	89.7	90.4	90.4	90.4	91.4	91.6	91.6	91.6	91.6	91.6	91.6
2 1800		6.7	87.9	89.6	89.7	90.3	91.1	91.1	91.1	91.6	92.1	92.2	92.2	92.2	92.2	92.2
2 1600		7.3	88.6	90.6	91.2	91.7	92.4	92.4	92.4	92.9	93.6	93.6	93.6	93.6	93.6	93.6
2 1400		8.3	90.6	92.7	93.3	93.8	94.6	95.1	95.1	95.8	95.9	95.9	95.9	95.9	95.9	95.9
2 1200		8.8	91.3	93.7	94.4	94.9	96.1	96.7	96.7	97.3	97.4	97.4	97.4	97.4	97.4	97.4
2 1000		9.9	91.4	94.8	94.6	95.1	96.3	97.0	97.0	97.7	97.8	97.8	97.8	97.8	97.8	97.8
2 900		10.2	91.8	94.2	95.0	95.6	96.8	97.6	97.7	98.3	98.4	98.4	98.4	98.4	98.4	98.4
2 800		11.1	91.9	94.3	95.1	95.7	97.1	98.1	98.1	98.8	98.9	98.9	98.9	98.9	98.9	98.9
2 700		11.1	92.0	94.4	95.2	95.8	97.3	98.2	98.3	99.1	99.1	99.1	99.1	99.1	99.1	99.1
2 600		10.3	92.1	94.7	95.6	96.2	97.8	98.7	98.8	99.6	99.9	99.9	99.9	99.9	99.9	99.9
2 500		10.3	92.1	94.7	95.6	96.2	97.8	98.7	98.8	99.6	99.9	99.9	99.9	99.9	99.9	99.9
2 400		10.3	92.1	94.7	95.6	96.2	97.8	98.7	98.8	99.6	99.9	99.9	99.9	99.9	99.9	99.9
2 300		10.3	92.1	94.7	95.6	96.2	97.8	98.7	98.8	99.6	99.9	99.9	99.9	99.9	99.9	99.9
2 200		10.3	92.1	94.7	95.6	96.2	97.8	98.7	98.8	99.6	99.9	99.9	99.9	99.9	99.9	99.9
2 100		10.3	92.1	94.7	95.6	96.2	97.8	98.7	98.8	99.6	99.9	99.9	99.9	99.9	99.9	99.9
2 0		10.3	92.1	94.7	95.6	96.2	97.8	98.7	98.8	99.6	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 157

GLOBAL CLIMATOLOGY BRANCH
STAFFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7517
STATION

ILDENHALL RAF K
STATION NAME

4-21
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

100-1700
HOURS (LT)

CEILING FEET	VISIBILITY (STATUTE MILES OR HUNDREDS OF METERS)															
	210 GE10	200 GE9	150 GE8	120 GE7	100 GE6	80 GE5	60 GE4	40 GE3	30 GE2	20 GE1	15 GE0	10 GE0	5 GE0	2 GE0	1 GE0	0 GE0
NO. OF OBS.	208	208	208	208	208	208	208	208	208	208	208	208	208	208	208	208
20000	7.9	40.8	42.0	42.1	42.3	42.4	42.4	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
18000	40.8	41.1	42.8	42.9	43.1	43.1	43.2	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
16000	41.1	41.8	43.1	43.1	43.3	43.3	43.4	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
14000	41.8	41.9	43.1	43.2	43.4	43.4	43.6	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
12000	42.1	42.1	43.3	43.4	43.7	43.8	43.8	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
10000	42.1	42.1	43.3	43.4	43.7	43.8	43.8	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
9000	42.1	42.1	43.3	43.4	43.7	43.8	43.8	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
8000	42.1	42.1	43.3	43.4	43.7	43.8	43.8	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
7000	42.1	42.1	43.3	43.4	43.7	43.8	43.8	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
6000	42.1	42.1	43.3	43.4	43.7	43.8	43.8	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
5000	42.1	42.1	43.3	43.4	43.7	43.8	43.8	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
4500	42.1	42.1	43.3	43.4	43.7	43.8	43.8	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
4000	42.1	42.1	43.3	43.4	43.7	43.8	43.8	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
3500	42.1	42.1	43.3	43.4	43.7	43.8	43.8	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
3000	42.1	42.1	43.3	43.4	43.7	43.8	43.8	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
2500	42.1	42.1	43.3	43.4	43.7	43.8	43.8	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
2000	42.1	42.1	43.3	43.4	43.7	43.8	43.8	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
1800	42.1	42.1	43.3	43.4	43.7	43.8	43.8	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
1600	42.1	42.1	43.3	43.4	43.7	43.8	43.8	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
1400	42.1	42.1	43.3	43.4	43.7	43.8	43.8	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
1200	42.1	42.1	43.3	43.4	43.7	43.8	43.8	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
1000	42.1	42.1	43.3	43.4	43.7	43.8	43.8	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
900	42.1	42.1	43.3	43.4	43.7	43.8	43.8	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
800	42.1	42.1	43.3	43.4	43.7	43.8	43.8	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
700	42.1	42.1	43.3	43.4	43.7	43.8	43.8	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
600	42.1	42.1	43.3	43.4	43.7	43.8	43.8	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
500	42.1	42.1	43.3	43.4	43.7	43.8	43.8	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
400	42.1	42.1	43.3	43.4	43.7	43.8	43.8	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
300	42.1	42.1	43.3	43.4	43.7	43.8	43.8	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
200	42.1	42.1	43.3	43.4	43.7	43.8	43.8	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
100	42.1	42.1	43.3	43.4	43.7	43.8	43.8	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
0	42.1	42.1	43.3	43.4	43.7	43.8	43.8	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0

TOTAL NUMBER OF OBSERVATIONS 970

CLIMATE CLIMATOLOGY BRANCH
 ETAC
 WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

3577
 STATION

WILDEHALL RAF K
 STATION NAME

4-87
 YEARS

0-2000
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0-2000
 HOURS (S)

CEILING FEET	VISIBILITY STATUTE MILES																OR (HUNDREDS OF METERS)			
	≥10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8
NO. CEILING		CE97	GF9	GE67	GF48	GF44	GF27	GF24	GF2	GF16	GF1	GF12	GF09	GF05	GF04	GF0				
≥20000		3.0	34.4	37.7	37.9	37.9	33.3	38.6	38.8	39.	39.	39.	39.	39.7	39.7	39.7	39.7	39.7	39.7	39.7
≥18000		4.7	42.7	47.0	47.4	47.4	47.9	48.1	48.3	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
≥16000		1.3	43.2	47.6	48.7	48.7	48.7	48.7	48.9	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥14000		41.	43.7	48.	48.4	48.4	48.9	49.1	49.	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥12000		42.	44.7	49.2	49.7	49.7	5.	5.3	5.6	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
≥10000		4.	48.3	53.3	53.8	53.8	54.2	54.7	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥9000		46.	50.2	54.2	54.7	54.7	55.1	55.7	55.9	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥8000		1.4	54.	62.0	6.	6.4	6.1	6.9	62.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥7000		2.7	55.3	61.8	62.2	62.2	63.	63.7	63.9	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥6000		3.1	55.7	62.2	62.7	62.7	63.4	64.1	64.3	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥5000		54.	57.6	64.0	64.4	64.4	65.2	65.9	66.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥4500		6.	63.	70.8	71.2	71.2	72.0	72.7	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥4000		6.1	69.3	77.2	77.8	77.8	7.	75.4	79.7	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥3500		1.1	74.8	82.8	83.4	83.4	84.8	85.6	85.8	8.	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥3000		6.2	79.9	88.1	88.8	88.8	9.	91.3	91.6	91.8	91.8	9.	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥2500		7.	81.9	90.7	91.3	91.3	92.6	94.	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥2000		7.	8.	91.6	92.4	92.6	93.6	95.4	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥1800		7.	82.8	91.6	92.	92.6	93.6	95.4	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥1500		7.	83.2	92.2	93.4	93.6	95.	96.6	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥1200		7.	83.6	92.8	94.1	94.3	96.1	98.1	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥1000		7.	83.7	92.9	94.2	94.4	96.2	98.2	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥900		7.	83.9	93.3	94.8	95.1	96.7	98.9	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥800		7.	83.9	93.3	94.8	95.1	97.	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥700		7.	83.9	93.3	94.8	95.1	97.	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥600		7.	83.9	93.3	94.8	95.1	97.	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥500		7.	83.9	93.3	94.8	95.1	97.	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥400		7.	83.9	93.3	94.8	95.1	97.	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥300		7.	83.9	93.3	94.8	95.1	97.	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥200		7.	83.9	93.3	94.8	95.1	97.	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥100		7.	83.9	93.3	94.8	95.1	97.	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥0		74.8	83.9	93.3	94.8	95.1	97.	99.0	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 920

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION ILDENHALL RAF K

4-63

YEARS

5 0

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1 0-2300
HOURS 151

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.01
NO CEILING	4.0	42.8	47.9	49.1	49.4	5.1	5.6	5.7	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥20000	4.4	46.4	52.4	53.7	54.0	54.9	55.3	55.4	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥18000	4.3	46.8	52.8	54.0	54.3	55.2	55.7	55.8	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥16000	4.0	46.8	52.8	54.0	54.3	55.2	55.7	55.8	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥14000	4.3	47.0	53.0	54.2	54.5	55.4	55.9	56.0	56.4	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥12000	4.5	47.4	53.6	54.8	55.1	56.0	56.4	56.5	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥10000	4.3	49.2	55.4	57.1	57.4	58.3	58.9	59.0	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥9000	4.3	49.9	56.1	57.8	58.1	59.0	60.0	60.1	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥8000	2.6	54.6	61.4	63.6	63.9	65.1	65.8	65.9	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥7000	5.2	54.8	61.8	63.9	64.2	65.4	66.1	66.0	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥6000	3.0	55.0	62.0	64.1	64.4	65.8	66.4	66.5	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥5000	5.0	57.1	64.2	66.3	66.7	68.0	68.7	68.8	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥4500	5.0	62.0	70.1	72.2	72.6	74.0	74.8	74.9	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥4000	3.1	65.7	74.1	76.7	77.0	78.7	79.7	79.8	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥3500	6.1	68.8	77.4	80.1	80.4	82.1	83.1	83.0	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥3000	6.5	70.2	81.2	84.0	84.3	86.0	87.3	87.4	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥2500	2.2	74.9	84.4	87.2	87.6	89.2	90.6	90.7	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥2000	4.4	77.2	86.9	89.7	90.0	91.7	93.0	93.1	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥1800	4.6	77.8	87.0	89.8	90.1	91.8	93.1	93.2	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥1500	5.6	78.3	88.0	91.2	91.6	93.3	95.0	95.1	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥1200	5.8	78.7	88.4	91.9	92.3	94.2	96.1	96.2	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥1000	6.1	79.0	89.0	92.7	93.3	95.3	97.2	97.3	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥900	6.1	79.3	89.1	92.9	93.6	95.6	97.4	97.6	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥800	6.2	79.1	89.4	93.0	93.9	95.9	97.8	98.0	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥700	6.6	79.7	90.1	93.9	94.6	96.6	98.4	98.8	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥600	6.6	79.7	90.1	93.9	94.6	96.6	98.4	98.8	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥500	6.6	79.7	90.1	93.9	94.6	96.6	98.4	98.8	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥400	6.6	79.7	90.1	93.9	94.6	96.6	98.4	98.8	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥300	6.6	79.7	90.1	93.9	94.6	96.6	98.4	98.8	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥200	6.6	79.7	90.1	94.1	94.8	96.8	98.8	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥100	6.6	79.7	90.1	94.1	94.8	96.8	98.8	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥50	6.6	79.7	90.1	94.1	94.8	96.8	98.8	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥20	6.6	79.7	90.1	94.1	94.8	96.8	98.8	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 970

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CENTRAL CLIMATOLOGY BRANCH
MET-C
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1571
STATION

ILDENHALL RAF K
STATION NAME

4-83
YEAR

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

811
HOURS

CEILING FEET	VISIBILITY: STATUTE MILES															
	≥10 210	≥6 26	≥5 25	≥4 24	≥3 23	≥2 22	≥2 22	≥1 21	≥1 21	≥1 21	≥1 21	≥1 21	≥1 21	≥1 21	≥1 21	≥1 21
NO CEILING	31.6	32.7	36.4	37.1	37.3	38.3	38.7	39.7	39.7	39.4	39.5	39.6	39.7	39.8	39.8	40.0
≥ 20000	3.7	4.1	44.3	45.3	45.3	45.4	46.9	47.2	47.7	47.8	47.9	48.0	48.1	48.2	48.4	48.4
≥ 18000	3.0	40.4	44.6	45.3	45.6	46.7	47.2	47.5	48.0	48.1	48.2	48.3	48.4	48.5	48.7	48.7
≥ 16000	3.1	40.9	44.7	45.4	45.7	46.8	47.3	47.6	48.0	48.1	48.2	48.3	48.4	48.5	48.7	48.7
≥ 14000	7.1	40.7	44.8	45.5	45.8	46.9	47.4	47.7	48.1	48.2	48.3	48.4	48.5	48.6	48.8	48.8
≥ 12000	3.4	4.9	45.1	45.9	46.1	47.2	47.7	48.0	48.5	48.6	48.7	48.8	48.9	49.0	49.2	49.2
≥ 10000	41.6	43.2	47.7	48.6	48.8	5.7	50.6	51.7	51.5	51.5	51.7	51.8	51.9	52.0	52.2	52.2
≥ 9000	12.4	44.1	48.6	49.5	49.7	51.1	51.7	52.1	52.6	52.7	52.8	52.9	53.0	53.1	53.4	53.4
≥ 8000	4.5	48.3	53.3	54.3	54.5	56.0	56.6	57.1	57.6	57.7	57.8	57.9	58.1	58.1	58.3	58.3
≥ 7000	4.0	49.2	54.3	55.3	55.6	57.1	57.7	58.2	58.7	58.8	58.9	59.0	59.2	59.2	59.4	59.4
≥ 6000	4.6	49.4	54.6	55.6	55.9	5.4	58.0	58.5	59.0	59.1	59.2	59.3	59.5	59.5	59.8	59.8
≥ 5000	4.7	51.6	56.8	57.9	58.2	59.6	6.3	61.8	61.3	61.4	61.5	61.6	61.8	61.8	62.1	62.1
≥ 4500	4.3	56.3	62.1	63.3	63.5	65.1	65.8	66.3	66.9	67.0	67.1	67.3	67.4	67.5	67.7	67.7
≥ 4000	5.9	62.2	68.5	69.8	70.1	71.9	72.7	73.2	73.8	73.9	74.1	74.2	74.4	74.4	74.7	74.7
≥ 3500	6.3	65.4	72.9	74.3	74.7	76.5	77.4	77.9	78.6	78.6	78.8	78.9	79.1	79.1	79.4	79.4
≥ 3000	6.1	7.7	77.5	79.1	79.4	81.3	82.4	82.9	83.6	83.7	83.8	83.9	84.1	84.1	84.4	84.4
≥ 2500	1.3	74.0	81.2	82.8	83.1	85.0	86.1	86.6	87.3	87.3	87.5	87.6	87.8	87.8	88.1	88.1
≥ 2000	3.3	76.1	83.4	85.1	85.4	87.5	88.7	89.2	89.9	9.0	9.1	90.3	90.5	90.5	90.8	90.8
≥ 1800	3.6	76.4	83.8	85.5	85.8	87.9	89.0	89.6	90.3	90.4	90.5	90.7	90.8	90.9	91.1	91.1
≥ 1500	4.7	77.6	85.3	87.2	87.6	89.7	91.0	91.6	92.4	92.5	92.6	92.8	93.0	93.0	93.3	93.3
≥ 1200	5.5	78.4	86.4	88.4	88.8	91.1	92.6	93.2	94.0	94.1	94.3	94.4	94.6	94.6	94.9	94.9
≥ 1000	6.0	79.7	87.0	89.1	89.6	92.0	93.6	94.2	95.1	95.2	95.3	95.5	95.7	95.7	95.9	95.9
≥ 900	6.1	79.1	87.2	89.3	89.8	92.3	93.9	94.6	95.5	95.6	95.7	95.9	96.1	96.1	96.3	96.3
≥ 800	6.3	79.4	87.8	89.9	90.4	92.9	94.5	95.2	96.1	96.3	96.4	96.6	96.7	96.8	97.0	97.0
≥ 700	6.4	79.6	88.1	90.3	90.7	93.4	95.1	95.8	96.8	96.9	97.1	97.2	97.4	97.4	97.7	97.7
≥ 600	6.4	79.7	88.2	90.4	90.8	93.6	95.3	96.0	96.9	97.1	97.2	97.4	97.6	97.6	97.9	97.9
≥ 500	6.5	79.7	88.3	90.6	91.1	93.9	95.6	96.4	97.4	97.6	97.8	97.9	98.1	98.2	98.4	98.4
≥ 400	6.5	79.8	88.5	90.8	91.2	94.2	95.9	96.7	97.7	97.9	98.1	98.3	98.5	98.5	98.8	98.8
≥ 300	6.5	79.8	88.5	90.8	91.2	94.2	96.0	96.8	97.9	98.1	98.3	98.5	98.7	98.8	99.0	99.0
≥ 200	6.5	79.8	88.5	90.8	91.3	94.2	96.0	96.8	98.0	98.2	98.4	98.6	98.8	98.9	99.2	99.2
≥ 100	6.5	79.8	88.5	90.8	91.3	94.2	96.0	96.8	98.0	98.2	98.4	98.6	98.8	98.9	99.2	99.2
≥ 0	6.5	79.8	88.5	90.8	91.3	94.2	96.0	96.8	98.0	98.2	98.4	98.6	98.8	98.9	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 7200

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

15771 WILDENHALL RAF K

4-57

017

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

000-0 20

CEILING FEET	VISIBILITY STATUTE MILES															
	210	209	208	207	206	205	204	203	202	201	200	199	198	197	196	20
NO CEILING		32.0	33.7	36.6	38.8	39.1	40.0	41.4	41.5	41.7	41.8	42.5	42.7	43.0	43.0	44.2
2 20000		32.0	35.9	39.7	42.7	42.4	43.9	45.1	45.2	45.4	45.5	46.1	46.3	46.7	47.7	48.0
2 18000		32.0	35.9	39.7	42.7	42.4	43.9	45.1	45.2	45.4	45.5	46.1	46.3	46.7	47.7	48.0
2 16000		32.0	35.9	39.7	42.7	42.4	43.9	45.1	45.2	45.4	45.5	46.1	46.3	46.7	47.7	48.0
2 14000		32.0	35.9	39.7	42.7	42.4	43.9	45.1	45.2	45.4	45.5	46.1	46.3	46.7	47.7	48.0
2 12000		32.0	36.1	39.9	42.3	42.6	44.0	45.3	45.4	45.6	45.7	46.3	46.6	46.9	47.5	48.2
2 10000		33.0	37.1	43.8	43.2	43.5	45.2	46.5	46.7	47.0	47.1	47.7	48.0	48.3	49.9	49.6
2 9000		33.0	37.1	43.8	43.2	43.5	45.2	46.5	46.7	47.0	47.1	47.7	48.0	48.3	49.9	49.6
2 8000		33.0	40.0	44.5	44.8	46.5	47.7	49.0	49.0	48.3	48.4	49.0	49.2	49.6	50.2	50.9
2 7000		33.0	40.0	44.5	44.8	46.5	47.7	49.0	49.0	48.3	48.4	49.0	49.2	49.6	50.2	50.9
2 6000		33.0	40.0	44.5	44.8	46.5	47.7	49.0	49.0	48.3	48.4	49.0	49.2	49.6	50.2	50.9
2 5000		40.0	44.2	48.9	51.5	51.8	53.9	55.3	55.6	55.9	56.0	56.7	56.9	57.2	57.8	58.5
2 4500		40.0	44.2	48.9	51.5	51.8	53.9	55.3	55.6	55.9	56.0	56.7	56.9	57.2	57.8	58.5
2 4000		40.0	44.2	48.9	51.5	51.8	53.9	55.3	55.6	55.9	56.0	56.7	56.9	57.2	57.8	58.5
2 3500		40.0	44.2	48.9	51.5	51.8	53.9	55.3	55.6	55.9	56.0	56.7	56.9	57.2	57.8	58.5
2 3000		40.0	44.2	48.9	51.5	51.8	53.9	55.3	55.6	55.9	56.0	56.7	56.9	57.2	57.8	58.5
2 2500		40.0	44.2	48.9	51.5	51.8	53.9	55.3	55.6	55.9	56.0	56.7	56.9	57.2	57.8	58.5
2 2000		40.0	44.2	48.9	51.5	51.8	53.9	55.3	55.6	55.9	56.0	56.7	56.9	57.2	57.8	58.5
2 1800		40.0	44.2	48.9	51.5	51.8	53.9	55.3	55.6	55.9	56.0	56.7	56.9	57.2	57.8	58.5
2 1600		40.0	44.2	48.9	51.5	51.8	53.9	55.3	55.6	55.9	56.0	56.7	56.9	57.2	57.8	58.5
2 1400		40.0	44.2	48.9	51.5	51.8	53.9	55.3	55.6	55.9	56.0	56.7	56.9	57.2	57.8	58.5
2 1200		40.0	44.2	48.9	51.5	51.8	53.9	55.3	55.6	55.9	56.0	56.7	56.9	57.2	57.8	58.5
2 1000		40.0	44.2	48.9	51.5	51.8	53.9	55.3	55.6	55.9	56.0	56.7	56.9	57.2	57.8	58.5
2 900		40.0	44.2	48.9	51.5	51.8	53.9	55.3	55.6	55.9	56.0	56.7	56.9	57.2	57.8	58.5
2 800		40.0	44.2	48.9	51.5	51.8	53.9	55.3	55.6	55.9	56.0	56.7	56.9	57.2	57.8	58.5
2 700		40.0	44.2	48.9	51.5	51.8	53.9	55.3	55.6	55.9	56.0	56.7	56.9	57.2	57.8	58.5
2 600		40.0	44.2	48.9	51.5	51.8	53.9	55.3	55.6	55.9	56.0	56.7	56.9	57.2	57.8	58.5
2 500		40.0	44.2	48.9	51.5	51.8	53.9	55.3	55.6	55.9	56.0	56.7	56.9	57.2	57.8	58.5
2 400		40.0	44.2	48.9	51.5	51.8	53.9	55.3	55.6	55.9	56.0	56.7	56.9	57.2	57.8	58.5
2 300		40.0	44.2	48.9	51.5	51.8	53.9	55.3	55.6	55.9	56.0	56.7	56.9	57.2	57.8	58.5
2 200		40.0	44.2	48.9	51.5	51.8	53.9	55.3	55.6	55.9	56.0	56.7	56.9	57.2	57.8	58.5
2 100		40.0	44.2	48.9	51.5	51.8	53.9	55.3	55.6	55.9	56.0	56.7	56.9	57.2	57.8	58.5
2 0		40.0	44.2	48.9	51.5	51.8	53.9	55.3	55.6	55.9	56.0	56.7	56.9	57.2	57.8	58.5

TOTAL NUMBER OF OBSERVATIONS 937

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CENTRAL CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE PAC

CEILING VERSUS VISIBILITY

1957

WILSONHALL RAF K

4-67

YEARS

201

STATION

STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

770-7500
 HOURS (15)

CEILING FEET	VISIBILITY - STATUTE MILES																OR (HUNDREDS OF METERS)													
	≥10 516	≥6 213	≥5 152	≥4 122	≥3 91	≥2 61	≥1 30	≥1 30	≥1 30	≥1 30	≥1 30	≥1 30	≥1 30	≥1 30	≥1 30	≥1 30	≥1 30	≥1 30	≥1 30	≥1 30	≥1 30	≥1 30	≥1 30	≥1 30	≥1 30	≥1 30	≥1 30	≥1 30	≥1 30	
NO CEILING		2.9	30.8	36.7	38.9	39.2	4.1	41.7	41.8	4.2	42.3	42.6	42.7	43.3	44.0	44.9														
≥ 20000		.3	32.7	39.3	41.7	42.0	43.2	44.8	44.9	45.3	45.4	45.7	45.9	46.4	47.1	48.1														
≥ 18000		.3	33.7	39.4	41.8	42.1	43.3	44.7	45.0	45.4	45.5	45.9	46.1	46.5	47.3	48.1														
≥ 16000		.3	32.7	39.4	41.8	42.1	43.3	44.7	45.0	45.4	45.5	45.9	46.0	46.5	47.3	48.1														
≥ 14000		.3	32.7	39.4	41.8	42.1	43.3	44.7	45.0	45.4	45.5	45.9	46.0	46.5	47.3	48.1														
≥ 12000		.3	32.7	39.4	42.1	42.3	43.5	45.1	45.2	45.6	45.7	46.1	46.7	46.7	47.5	48.3														
≥ 10000		0.1	33.6	40.7	43.3	43.7	44.9	46.6	46.9	47.5	47.6	47.9	48.1	48.5	49.3	50.2														
≥ 9000		.2	34.7	41.8	44.3	44.8	46.0	47.7	47.9	48.5	48.7	49.1	49.1	49.6	50.4	51.2														
≥ 8000		3.4	3.1	44.6	47.6	48.1	49.3	51.0	51.3	52.1	52.2	52.5	52.6	53.2	53.9	54.8														
≥ 7000		72.7	37.6	45.1	48.1	48.5	49.8	51.6	51.9	52.6	52.7	53.1	53.2	53.7	54.5	55.3														
≥ 6000		33.1	37.6	45.1	48.1	48.5	49.8	51.6	51.9	52.6	52.7	53.1	53.2	53.7	54.5	55.3														
≥ 5000		3.2	33.8	47.6	50.7	51.2	52.4	54.3	54.6	55.3	55.4	55.8	55.9	56.4	57.2	58.1														
≥ 4500		.3	43.1	51.0	54.3	54.7	56.3	58.2	58.8	59.6	59.7	60.2	60.4	60.7	61.7	62.5														
≥ 4000		4.5	4.4	57.2	67.5	68.1	69.8	71.6	71.9	72.6	72.7	73.1	73.2	73.6	74.4	75.2														
≥ 3500		4.7	51.1	60.7	64.3	64.7	67.1	69.0	69.5	70.5	70.6	71.0	71.3	71.8	72.6	73.4														
≥ 3000		4.2	52.5	62.6	66.4	66.8	69.4	71.6	72.1	73.1	73.2	73.6	73.8	74.4	75.1	76.0														
≥ 2500		0.5	54.8	65.4	69.5	70.1	72.7	74.8	75.3	76.3	76.4	76.9	77.1	77.6	78.4	79.2														
≥ 2000		3.0	57.5	69.0	73.3	73.7	76.4	78.6	79.3	80.2	80.3	80.7	80.9	81.5	82.2	83.1														
≥ 1800		3.1	57.7	69.2	73.5	74.0	76.7	78.9	79.5	80.5	80.6	81.1	81.3	81.8	82.6	83.4														
≥ 1500		5.1	57.5	71.3	75.9	76.1	79.7	81.9	82.8	83.7	83.9	84.3	84.5	85.0	85.8	86.7														
≥ 1200		5.4	60.1	72.1	77.3	77.7	81.1	83.7	84.7	85.7	85.8	86.2	86.4	87.0	87.7	88.6														
≥ 1000		5.5	60.1	72.4	77.7	78.1	81.5	84.4	85.4	86.3	86.4	86.9	87.1	87.6	88.4	89.2														
≥ 900		5.5	60.1	72.6	77.9	78.4	81.8	84.7	85.7	86.7	86.8	87.2	87.4	87.9	88.7	89.6														
≥ 800		5.1	60.7	73.6	79.0	79.4	83.0	86.0	87.0	88.1	88.2	88.6	88.8	89.3	90.1	91.0														
≥ 700		5.2	60.7	73.8	79.3	79.8	83.5	86.7	87.6	88.8	88.9	89.3	89.6	90.1	90.9	91.7														
≥ 600		5.3	60.8	74.3	79.8	80.2	84.1	87.2	88.2	89.1	89.2	89.6	89.9	90.4	91.2	92.0														
≥ 500		5.2	60.8	74.3	79.8	80.2	84.1	87.2	88.2	89.1	89.2	89.6	89.9	90.4	91.2	92.0														
≥ 400		5.2	60.8	74.3	79.8	80.2	84.1	87.2	88.2	89.1	89.2	89.6	89.9	90.4	91.2	92.0														
≥ 300		5.3	60.8	74.3	79.8	80.2	84.1	87.2	88.2	89.1	89.2	89.6	89.9	90.4	91.2	92.0														
≥ 200		5.2	60.8	74.3	79.8	80.2	84.1	87.2	88.2	89.1	89.2	89.6	89.9	90.4	91.2	92.0														
≥ 100		5.2	60.8	74.3	79.8	80.2	84.1	87.2	88.2	89.1	89.2	89.6	89.9	90.4	91.2	92.0														
≥ 0		5.2	60.8	74.3	79.8	80.2	84.1	87.2	88.2	89.1	89.2	89.6	89.9	90.4	91.2	92.0														

TOTAL NUMBER OF OBSERVATIONS 9

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAAC

CEILING VERSUS VISIBILITY

STATION ILDENHALL RAF K

14-57

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

30-3800

HOURS 157

CEILING FEET	VISIBILITY: STATUTE MILES OR (1,000 FEET)															
	210	200	180	160	140	120	100	80	60	40	20	10	5	3	2	1
20000	2.2	20.1	24.5	25.1	26.2	23.4	29.4	29.7	3.3	3.3	3.4	3.4	31.1	31.3	31.2	
18000	2.2	25.3	30.0	31.7	32.2	34.5	35.8	36.3	36.9	37.1	37.2	37.4	37.5	38.2	38.4	38.7
16000	2.3	25.3	3.1	31.8	3.3	34.6	36.0	36.6	37.1	37.2	37.4	37.5	38.2	38.4	38.9	
14000	2.4	25.6	3.4	32.2	32.6	34.6	36.3	36.6	37.1	37.2	37.4	37.5	38.2	38.4	38.9	
12000	2.1	26.1	3.9	32.7	33.1	35.5	36.9	37.4	38.1	38.1	38.3	38.4	39.0	39.2	39.8	
10000	2.0	27.0	32.2	34.4	34.8	37.2	38.7	39.7	4.1	4.2	4.4	4.6	41.1	41.5	42.1	
9000	2.6	27.7	33.3	35.7	36.3	38.8	40.3	40.7	41.7	41.8	42.1	42.3	42.9	43.1	43.7	
8000	1.1	32.2	39.5	41.1	41.7	44.3	45.1	46.7	47.7	48.1	48.3	48.5	49.1	49.4	49.9	
7000	1.4	32.6	39.9	41.5	42.2	44.7	46.3	47.1	48.4	48.7	48.9	49.1	49.8	50.3	50.5	
6000	1.1	31.7	39.1	41.6	42.3	44.5	46.5	47.2	48.5	48.8	49.1	49.2	49.9	50.1	50.6	
5000	3.3	35.1	41.8	44.6	45.3	48.2	5.1	51.1	52.4	52.7	52.9	53.1	53.8	54.1	54.5	
4500	3.6	36.7	45.7	48.5	49.1	52.2	54.2	55.4	57.1	57.4	57.7	58.1	58.6	58.8	59.4	
4000	1.5	42.1	51.3	54.3	55.2	58.6	60.8	62.0	63.9	64.3	64.6	65.1	65.8	66.7	66.6	
3500	3.3	45.1	54.3	57.7	58.7	62.2	64.4	65.7	67.8	68.3	68.6	69.7	69.8	70.7	70.5	
3000	4.6	48.6	58.7	62.3	63.3	67.1	69.4	7.6	72.9	73.4	73.8	74.2	74.9	75.2	75.7	
2500	4.2	51.7	60.4	64.5	65.6	69.8	72.3	73.7	76.1	76.6	76.9	77.3	78.1	78.3	78.8	
2000	4.1	51.1	1.6	65.7	66.8	71.3	73.8	75.2	77.5	78.1	78.4	78.8	79.6	79.8	8.3	
1500	4.5	51.4	61.9	66.1	67.1	71.7	74.2	75.6	78.7	78.5	79.8	79.2	80.0	8.2	83.8	
1200	1.1	53.4	65.4	69.7	7.8	75.7	78.8	8.3	83.5	83.9	84.3	85.1	85.3	85.8	85.8	
1000	1.5	53.7	66.0	70.4	71.5	76.6	79.9	81.5	84.2	84.7	85.1	85.5	86.2	86.6	87.1	
900	1.6	54.7	66.3	70.8	71.9	77.0	80.4	82.7	84.9	85.5	85.9	86.3	87.1	87.4	88.1	
800	5.1	54.2	66.7	71.1	7.4	77.5	1.2	82.9	86.0	86.6	87.0	87.5	88.3	88.6	89.1	
700	5.1	54.2	56.7	71.3	72.6	77.8	81.8	84.1	87.3	87.8	88.3	88.8	89.6	89.9	90.4	
600	2.0	54.4	67.1	71.7	73.1	78.5	83.1	85.2	88.6	89.1	89.6	9.1	90.9	91.2	91.7	
500	2.0	54.4	67.0	71.8	73.1	78.7	83.5	85.9	89.4	89.9	9.4	91.1	91.8	92.3	92.8	
400	2.0	5.5	67.3	72.2	73.4	79.1	84.1	86.5	90.1	90.6	91.3	91.9	92.7	93.1	93.7	
300	2.1	54.5	67.3	72.2	73.4	79.1	84.1	86.7	90.6	91.2	91.9	92.8	93.5	94.1	94.5	
200	2.1	54.5	67.3	72.2	73.4	79.4	84.4	87.1	91.1	91.7	92.7	93.7	94.5	95.4	96.9	
100	2.0	54.5	67.3	72.2	73.4	79.4	84.5	87.1	91.2	91.7	92.8	93.8	94.6	95.7	98.9	
0	2.3	54.5	67.3	72.2	73.4	79.4	84.5	87.1	91.2	91.7	92.8	93.8	94.6	95.7	100.0	

TOTAL NUMBER OF OBSERVATIONS

322

GLOBAL CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/AFAC

CEILING VERSUS VISIBILITY

STATION: ILDENHALL RAF K

4-87

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

800-100
 HOURS (LT)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥3	≥2	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.015	≥0.01	≥0.005	≥0.0025	≥0.001
NO CEILING	2.5	25.3	27.8	29.7	28.7	29.8	3.2	3.8	3.8	4.2	4.2	4.2	4.2	4.2	4.2	4.2
≥20000	1.4	32.5	35.9	37.0	37.3	38.2	38.9	39.9	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
≥18000	3.1	32.7	36.1	37.2	37.6	38.6	39.4	40.3	40.6	4.6	4.8	4.8	4.8	4.8	4.8	4.9
≥16000	31.1	32.7	36.1	37.2	37.6	38.6	39.4	40.3	40.6	4.6	4.8	4.8	4.8	4.8	4.8	4.9
≥14000	31.1	32.7	36.2	37.3	37.7	38.7	39.5	4.4	40.8	40.8	40.9	40.9	40.9	40.9	40.9	41.2
≥12000	32.1	33.3	37.3	38.4	38.8	39.9	4.5	41.5	41.8	41.8	41.9	41.9	41.9	41.9	41.9	42.1
≥10000	35.1	37.1	40.6	41.7	42.2	43.2	44.1	45.2	45.7	45.7	45.8	45.8	45.8	45.8	45.8	45.9
≥9000	36.1	38.2	42.1	43.2	43.7	44.7	45.7	46.8	47.3	47.3	47.4	47.4	47.4	47.4	47.4	47.5
≥8000	41.1	42.7	47.1	48.5	48.9	5.1	51.2	52.3	52.9	53.3	53.1	53.1	53.1	53.1	53.1	53.2
≥7000	42.3	44.1	48.5	5.3	52.4	51.6	52.7	53.8	54.4	54.5	54.6	54.6	54.6	54.6	54.6	54.7
≥6000	2.5	44.4	48.8	50.3	50.8	51.9	53.1	54.1	54.7	54.8	54.9	54.9	54.9	54.9	54.9	55.1
≥5000	4.9	45.5	51.3	52.9	53.3	54.6	55.7	56.8	57.4	57.5	57.6	57.6	57.6	57.6	57.6	57.7
≥4500	4.2	43.4	54.2	55.9	56.5	57.1	58.8	59.9	60.5	60.6	60.8	60.8	60.8	60.8	60.8	60.9
≥4000	1.3	53.7	6.3	62.7	63.1	64.4	65.6	66.7	67.3	67.6	67.7	67.7	67.7	67.7	67.7	67.8
≥3500	3.1	55.8	62.6	64.4	65.3	66.5	68.1	69.1	7.3	70.1	70.2	70.2	70.2	70.2	70.2	70.3
≥3000	5.7	60.5	68.0	69.8	70.6	72.6	73.9	74.9	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.2
≥2500	5.6	62.4	7.4	72.6	73.5	75.6	77.1	78.2	79.1	79.2	79.4	79.4	79.4	79.4	79.4	79.5
≥2000	1.5	64.5	72.9	75.4	76.3	78.5	8.2	81.3	82.3	82.4	82.5	82.5	82.5	82.5	82.5	82.6
≥1800	1.5	64.5	72.9	75.4	76.3	78.5	8.2	81.3	82.3	82.4	82.5	82.5	82.5	82.5	82.5	82.6
≥1500	3.2	66.5	75.5	78.3	79.2	81.6	83.4	84.5	85.7	85.8	85.9	85.9	85.9	85.9	85.9	86.0
≥1200	3.4	66.7	76.3	79.2	80.2	82.8	85.1	86.3	87.5	87.6	87.7	87.7	87.7	87.7	87.7	87.8
≥1000	4.5	68.7	77.2	81.2	82.3	85.2	87.6	88.9	90.2	90.4	9.5	91.5	91.5	91.5	91.5	91.6
≥900	4.5	69.1	78.3	81.3	82.4	85.4	88.0	89.2	90.6	90.9	91.0	91.0	91.0	91.0	91.0	91.1
≥800	4.7	68.3	78.7	81.7	82.8	85.8	88.5	89.9	91.3	91.7	91.8	91.8	91.8	91.8	91.8	91.9
≥700	5.3	68.7	79.5	82.6	83.7	86.8	89.5	9.9	92.5	92.7	92.8	92.8	92.8	92.8	92.8	92.9
≥600	5.3	68.7	79.8	83.1	84.2	87.7	90.6	92.3	94.5	94.9	95.2	95.3	95.3	95.3	95.3	95.4
≥500	5.3	69.7	79.8	83.3	84.4	88.1	91.1	92.7	94.9	95.4	95.7	95.8	95.8	95.8	95.8	95.9
≥400	5.3	69.7	79.8	83.3	84.4	88.1	91.1	92.7	94.9	95.4	95.7	95.8	95.8	95.8	95.8	95.9
≥300	5.3	68.7	79.8	83.3	84.4	88.1	91.1	92.7	94.9	95.4	95.7	95.8	95.8	95.8	95.8	95.9
≥200	5.3	68.7	79.8	83.3	84.4	88.1	91.1	92.7	94.9	95.4	95.7	95.8	95.8	95.8	95.8	95.9
≥100	5.3	68.7	79.8	83.3	84.4	88.1	91.1	92.7	94.9	95.4	95.7	95.8	95.8	95.8	95.8	95.9
≥0	5.3	69.7	79.8	83.3	84.4	88.1	91.1	92.7	94.9	95.4	95.7	95.8	95.8	95.8	95.8	95.9

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1957
STATION

WILSONHALL RAF K
STATION NAME

4-57
YEARS

207
MONTHS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1 3-1470
HOURS PER DAY

CEILING FEET	VISIBILITY - STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥1/64	≥1/128	≥1/256	≥1/512
NO CEILING	2.0	23.7	24.7	25.5	25.6	25.9	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2
≥ 20000	3.0	34.6	35.9	36.9	37.0	37.4	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
≥ 18000	3.0	35.7	36.5	37.4	37.5	38.0	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 16000	3.0	35.7	36.5	37.4	37.5	38.0	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 14000	3.0	35.7	36.5	37.4	37.5	38.0	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 12000	3.0	35.7	36.5	37.4	37.5	38.0	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 10000	3.0	35.7	36.5	37.4	37.5	38.0	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 9000	3.0	35.7	36.5	37.4	37.5	38.0	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 8000	3.0	35.7	36.5	37.4	37.5	38.0	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 7000	3.0	35.7	36.5	37.4	37.5	38.0	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 6000	3.0	35.7	36.5	37.4	37.5	38.0	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 5000	3.0	35.7	36.5	37.4	37.5	38.0	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 4500	3.0	35.7	36.5	37.4	37.5	38.0	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 4000	3.0	35.7	36.5	37.4	37.5	38.0	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 3500	3.0	35.7	36.5	37.4	37.5	38.0	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 3000	3.0	35.7	36.5	37.4	37.5	38.0	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 2500	3.0	35.7	36.5	37.4	37.5	38.0	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 2000	3.0	35.7	36.5	37.4	37.5	38.0	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 1800	3.0	35.7	36.5	37.4	37.5	38.0	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 1500	3.0	35.7	36.5	37.4	37.5	38.0	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 1200	3.0	35.7	36.5	37.4	37.5	38.0	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 1000	3.0	35.7	36.5	37.4	37.5	38.0	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 900	3.0	35.7	36.5	37.4	37.5	38.0	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 800	3.0	35.7	36.5	37.4	37.5	38.0	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 700	3.0	35.7	36.5	37.4	37.5	38.0	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 600	3.0	35.7	36.5	37.4	37.5	38.0	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 500	3.0	35.7	36.5	37.4	37.5	38.0	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 400	3.0	35.7	36.5	37.4	37.5	38.0	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 300	3.0	35.7	36.5	37.4	37.5	38.0	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 200	3.0	35.7	36.5	37.4	37.5	38.0	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 100	3.0	35.7	36.5	37.4	37.5	38.0	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 0	3.0	35.7	36.5	37.4	37.5	38.0	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4

TOTAL NUMBER OF OBSERVATIONS 932

CLIMATE CLIMATOLOGY BRANCH
ETAC
AIR FATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION ILDENHALL RAF K

4-67

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (EST)

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 16	≥6 9.7	≥5 7.6	≥4 6.6	≥3 4.8	≥2.5 4	≥2 3.2	≥1.5 2.4	≥1.2 1.9	≥1 1.6	≥0.8 1.3	≥0.6 0.97	≥0.5 0.8	≥0.4 0.64	≥0.3 0.48	≥0.2 0.32
NO CEILING ≥ 20000		24.6	25.8	26.9	27.5	27.5	27.7	27.7	27.8	28.	28.	28.	28.	28.6	28.6	28.6
≥ 18000		3.2	35.4	37.4	38.1	38.1	38.4	38.4	38.5	38.6	38.6	38.6	38.6	38.6	38.6	38.6
≥ 16000		34.	36.	37.1	38.7	38.7	39.3	39.0	39.1	39.2	39.2	39.2	39.2	39.2	39.2	39.2
≥ 14000		34.	36.	38.1	39.7	38.7	39.7	39.0	39.1	39.2	39.2	39.2	39.2	39.2	39.2	39.2
≥ 12000		34.	36.3	39.4	39.	39.7	39.4	39.4	39.5	39.6	39.6	39.6	39.6	39.6	39.6	39.6
≥ 10000		3.0	37.5	39.6	4.2	4.2	4.5	4.5	4.6	4.8	4.8	4.8	4.8	4.8	4.8	4.8
≥ 9000		3.2	39.7	42.0	42.8	42.8	43.3	43.3	43.4	43.5	43.5	43.5	43.5	43.5	43.5	43.5
≥ 8000		3.8	41.4	44.1	44.8	44.8	45.4	45.4	45.5	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 7000		4.3	45.6	48.9	49.8	49.8	50.3	50.3	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥ 6000		4.5	47.7	51.6	51.9	51.9	52.5	52.5	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 5000		4.8	50.6	54.4	55.3	55.3	55.8	55.8	56.	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 4500		4.4	56.3	60.3	61.2	61.2	61.7	61.8	61.9	62.0	62.	62.	62.	62.	62.	62.
≥ 4000		5	62.5	66.7	67.5	67.5	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 3500		6.3	68.4	72.7	73.7	73.7	74.2	74.5	74.6	74.7	74.	74.7	74.7	74.7	74.7	74.7
≥ 3000		6.3	74.6	79.5	8.4	8.4	81.3	81.3	82.	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 2500		4.8	77.4	82.5	83.4	83.4	84.3	84.8	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 2000		7.9	81.8	87.0	88.7	88.7	89.0	89.7	89.9	90.0	90.	90.	90.0	90.0	90.0	90.0
≥ 1800		7.9	81.9	87.3	88.3	88.3	89.0	90.0	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 1500		8.1	83.1	89.4	90.5	90.5	91.6	92.3	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1200		10.6	83.2	9.3	91.6	91.6	93.3	94.1	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1000		1.0	84.2	91.4	92.9	92.9	94.7	95.6	95.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 900		1.0	84.2	91.4	92.9	92.9	94.7	95.7	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 800		1.1	84.3	91.6	93.1	93.1	9.1	96.5	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 700		1.4	84.6	92.	93.5	93.5	95.6	97.1	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 600		1.6	84.8	92.7	94.3	94.3	96.3	97.8	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500		1.6	84.8	92.8	94.4	94.4	96.6	98.2	98.7	99.2	99.2	99.4	99.4	99.4	99.4	99.4
≥ 400		1.6	84.8	92.8	94.4	94.4	96.6	98.2	98.7	99.2	99.2	99.4	99.4	99.4	99.4	99.4
≥ 300		1.6	84.8	92.8	94.4	94.4	96.6	98.2	98.7	99.4	99.4	99.5	99.5	99.5	99.5	99.5
≥ 200		1.6	84.8	92.8	94.4	94.4	96.6	98.2	98.7	99.4	99.4	99.6	99.6	99.6	99.6	99.6
≥ 100		1.6	84.8	92.8	94.4	94.4	96.6	98.2	98.7	99.4	99.4	99.7	99.7	99.7	99.7	99.7
≥ 0		1.6	84.8	92.8	94.4	94.4	96.6	98.2	98.7	99.4	99.4	99.7	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 937

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION: ILDENHALL RAF, K
STATION NAME

4-87

YEARS

0-1

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0-2400
HOURS TEST

CEILING FEET	VISIBILITY: STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 516	≥9 26	≥8 23	≥7 20	≥6 18	≥5 16	≥4 14	≥3 12	≥2 10	≥1 8	≥1 8	≥1 8	≥1 8	≥1 8	≥1 8	≥1 8
NO CEILING		2.4	27.8	32.4	33.7	33.9	35.2	35.9	35.9	36.	36.1	36.1	36.1	36.1	36.1	36.1
≥ 20000		33.7	35.1	38.7	40.1	40.4	41.5	42.5	42.5	42.6	42.7	42.7	42.7	42.7	42.7	42.7
≥ 18000		3.0	35.4	37.0	40.4	40.8	42.2	42.8	42.8	42.9	43.	43.0	43.0	43.0	43.0	43.0
≥ 16000		3.	35.4	39.	4.	40.8	42.2	42.8	42.8	42.9	43.0	43.0	43.0	43.0	43.0	43.0
≥ 14000		3.	35.4	39.	4.	40.8	42.2	42.8	42.8	42.9	43.0	43.0	43.0	43.0	43.0	43.0
≥ 12000		3.1	35.5	39.1	4.5	40.9	42.3	42.9	42.9	43.	43.1	43.1	43.1	43.1	43.1	43.1
≥ 10000		35.	37.2	40.9	42.5	42.8	44.3	44.9	44.9	45.1	45.2	45.2	45.2	45.2	45.2	45.2
≥ 9000		3.7	39.1	42.8	44.4	44.7	46.3	47.0	47.0	47.1	47.2	47.2	47.2	47.2	47.2	47.2
≥ 8000		4.7	47.3	46.8	49.4	48.8	50.6	51.3	51.3	51.4	51.5	51.5	51.5	51.5	51.5	51.5
≥ 7000		11.	43.2	47.7	49.5	49.9	51.7	52.6	52.6	52.7	52.	52.8	52.8	52.8	52.8	52.8
≥ 6000		2.3	47.7	48.3	5.7	50.4	52.5	53.1	53.1	53.2	53.3	53.3	53.3	53.3	53.3	53.3
≥ 5000		3.2	44.8	49.6	51.5	51.9	54.	54.6	54.6	54.7	54.8	54.8	54.8	54.8	54.8	54.8
≥ 4500		4.2	44.8	53.8	55.2	56.7	58.7	59.4	59.4	59.5	59.6	59.6	59.6	59.6	59.6	59.6
≥ 4000		4.7	56.6	62.5	65.2	65.7	67.8	67.7	68.8	68.9	69.0	69.0	69.0	69.0	69.0	69.0
≥ 3500		5.	67.4	67.1	69.8	7.3	72.8	73.7	73.9	74.0	74.1	74.1	74.1	74.1	74.1	74.1
≥ 3000		4.6	66.5	73.9	76.7	77.2	79.7	81.	81.2	81.3	81.4	81.4	81.4	81.4	81.4	81.4
≥ 2500		6.1	69.4	77.3	80.1	80.6	83.2	84.7	84.9	85.1	85.2	85.2	85.2	85.2	85.2	85.2
≥ 2000		7.3	81.8	84.6	85.2	88.1	89.7	89.9	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 1800		1.	73.3	81.8	84.7	85.7	89.2	89.9	90.0	90.1	90.2	90.2	90.2	90.2	90.2	90.2
≥ 1500		1.7	74.2	83.3	85.5	87.	9.7	91.8	92.	92.	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1200		2.4	74.4	84.8	89.2	88.7	92.3	94.3	94.5	94.6	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1000		2.7	75.3	85.3	88.6	89.1	92.7	95.1	95.3	95.5	95.6	95.6	95.6	95.6	95.6	95.6
≥ 900		2.7	75.3	85.3	88.6	89.1	92.7	95.1	95.3	95.6	95.7	95.7	95.7	95.7	95.7	95.7
≥ 800		2.7	75.3	85.5	88.8	89.4	93.0	95.8	96.0	96.3	96.5	96.5	96.5	96.5	96.5	96.5
≥ 700		2.9	75.5	86.	89.4	89.9	93.5	96.3	96.6	96.9	97.0	97.0	97.0	97.0	97.0	97.0
≥ 600		2.9	75.5	86.1	89.5	9.3	94.1	97.	97.2	97.5	97.6	97.6	97.6	97.6	97.6	97.6
≥ 500		2.9	75.5	86.2	89.7	90.2	94.4	97.4	97.7	98.1	98.2	98.2	98.2	98.2	98.2	98.2
≥ 400		7.	75.5	86.2	89.7	90.2	94.5	97.6	98.0	98.4	98.5	98.5	98.5	98.5	98.5	98.5
≥ 300		2.9	75.5	86.2	89.7	90.2	94.5	97.7	98.3	98.8	98.9	99.0	99.1	99.1	99.1	99.4
≥ 200		2.9	75.5	86.2	89.7	9.2	94.5	97.7	98.3	98.8	98.9	99.0	99.1	99.1	99.1	99.4
≥ 100		2.9	75.5	86.2	89.7	9.2	94.5	97.7	98.3	98.8	98.9	99.	99.1	99.1	99.1	99.8
≥ 0		2.9	75.5	86.2	89.7	90.2	94.5	97.7	98.3	98.8	98.9	99.	99.1	99.1	99.1	100

TOTAL NUMBER OF OBSERVATIONS: 512

GLOBAL CLIMATOLOGY BRANCH
ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION: ILCENHALL RAF K
STATION NAME

4-87

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1 0-2300
HOURS (LT)

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 210	≥6 2E9	≥5 GE3	≥4 GE5	≥3 GE48	≥2.5 GE4	≥2 GE22	≥1.5 GE24	≥1 GE2	≥1 GE16	≥1 GE1	≥.5 GE10	≥.5 GE03	≥.5 GE05	≥.5 GE04	≥.5 GE0
NO CEILING		1.1	32.7	37.5	39.5	39.5	4.4	41.1	42.	43.	43.1	43.2	43.5	43.8	47.9	44.3
≥ 20000		34.0	35.	47.9	43.7	43.1	44.4	45.2	46.1	47.2	47.3	47.4	47.7	48.	48.1	48.5
≥ 18000		3.1	36.0	41.0	43.1	43.2	44.5	45.3	46.2	47.3	47.4	47.5	47.8	48.1	48.2	48.6
≥ 16000		3.1	36.	41.0	43.1	43.2	44.5	45.3	46.2	47.3	47.4	47.5	47.8	48.1	48.2	48.6
≥ 14000		3.1	36.	41.0	43.1	43.2	44.5	45.3	46.2	47.3	47.4	47.5	47.8	48.1	48.2	48.6
≥ 12000		3.2	36.1	41.1	43.2	43.3	44.6	45.4	46.3	47.4	47.5	47.6	48.1	48.2	48.3	48.7
≥ 10000		35.	37.7	42.9	45.1	45.2	46.5	47.2	48.2	49.2	49.4	49.5	49.8	5.0	57.1	50.5
≥ 9000		1.7	40.7	45.2	47.3	47.4	48.7	49.5	50.4	51.5	51.6	51.7	52.	52.3	52.4	52.8
≥ 8000		.4	47.7	48.2	5.5	50.6	51.9	52.7	53.7	54.7	54.8	54.9	55.3	55.5	55.6	56.
≥ 7000		1.	43.2	43.7	51.1	51.2	52.7	53.4	54.4	55.7	55.6	55.7	56.0	56.2	56.3	56.8
≥ 6000		1.3	43.2	43.7	51.1	51.2	52.7	53.4	54.4	55.5	55.6	55.7	56.0	56.2	56.3	56.8
≥ 5000		42.	45.5	51.2	53.5	53.7	55.2	55.9	56.9	58.	58.1	58.2	58.5	58.7	58.8	59.2
≥ 4500		.4	43.4	54.3	56.7	56.8	53.5	59.2	60.3	61.4	61.5	61.6	61.9	62.2	62.3	62.7
≥ 4000		1.5	54.5	61.	53.5	53.8	55.6	66.5	67.5	68.6	68.7	68.8	69.1	69.4	69.5	69.9
≥ 3500		4.5	57.4	64.6	67.2	67.4	69.6	7.5	7.4	72.8	72.9	73.0	73.3	73.5	73.7	74.1
≥ 3000		5.8	62.3	7.6	73.1	73.5	75.1	76.8	77.8	79.	79.1	79.2	79.6	79.8	79.9	80.3
≥ 2500		1.4	64.4	74.0	76.7	77.0	79.2	8.4	81.5	82.7	82.8	82.9	83.2	83.4	83.5	84.
≥ 2000		4.3	6.4	77.5	82.2	80.5	83.1	84.3	85.6	86.9	87.	87.1	87.4	87.6	87.7	88.2
≥ 1800		54.3	63.4	77.5	82.1	80.6	83.5	84.7	86.7	87.3	87.4	87.5	87.8	88.1	88.2	88.6
≥ 1500		6.	69.8	79.2	82.5	82.8	85.9	87.	88.5	89.9	89.9	90.0	90.3	90.5	90.6	91.1
≥ 1200		6.6	7.4	87.1	83.4	83.8	87.5	88.8	9.1	91.4	91.5	9.6	91.9	92.2	92.3	92.7
≥ 1000		56.	70.9	91.3	84.6	84.9	88.7	9.7	91.3	92.6	92.7	92.8	93.1	93.3	93.4	93.9
≥ 900		56.	71.1	81.5	84.8	85.2	89.9	90.2	91.5	92.9	93.	93.1	93.4	93.7	93.8	94.2
≥ 800		6.1	71.2	81.9	85.1	85.6	87.7	91.4	92.7	94.2	94.3	94.4	94.7	95.2	95.3	95.7
≥ 700		6.4	71.5	82.5	85.8	86.1	9.4	92.	93.4	95.2	95.3	95.4	95.7	96.2	96.3	96.8
≥ 600		6.4	71.5	82.6	86.	86.3	9.8	92.5	93.8	95.5	95.6	95.7	96.0	96.6	96.7	97.1
≥ 500		6.4	71.5	82.8	86.2	86.4	91.3	91.	94.3	96.3	96.3	96.2	96.6	97.1	97.2	97.6
≥ 400		6.4	71.5	82.8	86.2	86.4	91.6	93.3	94.6	96.3	96.5	96.6	96.9	97.4	97.5	98.
≥ 300		6.4	71.	82.8	86.2	86.6	91.7	93.4	94.8	96.6	96.7	96.9	97.2	97.7	97.8	98.3
≥ 200		6.4	71.5	82.8	86.2	86.6	91.7	93.4	94.8	96.7	96.8	97.0	97.3	97.8	98.2	98.9
≥ 100		6.4	71.5	82.8	86.2	86.6	91.7	93.4	94.8	96.7	96.8	97.0	97.3	97.8	98.4	99.7
≥ 0		6.4	71.5	82.8	86.2	86.6	91.7	93.4	94.8	96.7	96.8	97.	97.3	97.8	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 937

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
1577

ILDENHALL PAF K

4-P7

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1944
HOURS

CEILING FEET	VISIBILITY: STATUTE MILES OR (IN HUNDREDS OF METERS)															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥1/64
NO CEILING	2.2	2.7	3.9	3.3	2.5	3.5	3.2	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
≥20000	31.1	33.4	37.2	39.8	39.1	4.2	41.1	41.4	41.9	41.8	41.8	42.0	42.1	42.3	42.5	42.8
≥18000	31.1	33.4	37.5	39.1	39.3	4.5	41.3	41.7	42.0	42.1	42.3	42.4	42.6	42.7	43.1	
≥16000	31.1	33.4	37.5	39.1	39.3	40.9	41.3	41.7	42.0	42.1	42.3	42.4	42.6	42.8	43.1	
≥14000	31.1	33.4	37.6	39.2	39.4	40.6	41.5	41.8	42.2	42.2	42.4	42.5	42.7	42.9	43.2	
≥12000	2.4	34.3	38.1	39.7	40.7	41.1	42.0	42.4	42.7	42.8	42.9	43.0	43.3	43.5	43.8	
≥10000	3.2	36.1	41.0	41.8	42.1	43.3	44.2	44.6	45.0	45.1	45.3	45.4	45.6	45.8	46.1	
≥9000	35.1	37.6	41.8	43.5	43.8	45.1	46.0	46.4	46.9	46.9	47.1	47.2	47.4	47.6	48.0	
≥8000	3.9	41.0	45.8	47.7	48.1	49.4	5.4	51.9	51.3	51.4	51.6	51.7	51.9	52.1	52.5	
≥7000	3.8	41.2	46.7	48.7	49.0	50.4	51.4	51.7	52.3	52.5	52.6	52.7	53.0	53.2	53.5	
≥6000	3.7	42.1	46.9	48.9	49.2	50.7	51.6	52.0	52.5	52.7	52.8	52.9	53.2	53.4	53.7	
≥5000	3.2	44.4	47.5	51.5	51.8	53.4	54.4	54.9	55.0	55.5	55.7	55.8	56.0	56.2	56.6	
≥4500	4.6	47.9	53.4	55.5	55.3	57.5	58.5	59.1	59.7	59.8	6.7	6.1	60.3	60.5	60.9	
≥4000	1.4	53.7	59.8	67.1	62.6	64.4	65.5	66.1	66.8	66.9	67.1	67.2	67.5	67.7	68.1	
≥3500	4.6	57.2	63.7	66.1	66.6	68.6	69.4	70.4	71.1	71.3	71.5	71.6	71.8	72.1	72.4	
≥3000	5.1	61.3	69.2	71.6	71.1	74.3	75.7	76.3	77.1	77.3	77.5	77.6	77.8	79.1	78.4	
≥2500	1.4	64.3	72.2	74.8	75.3	77.7	78.2	79.9	80.6	80.6	80.9	81.1	81.3	81.5	81.9	
≥2000	4.3	67.4	75.5	78.3	78.8	81.4	82.9	83.6	84.5	84.6	84.8	84.9	85.2	85.4	85.7	
≥1800	4.4	67.5	75.7	78.5	79.0	81.7	83.2	83.7	84.8	84.9	85.1	85.3	85.5	85.7	86.1	
≥1500	5.3	69.7	77.8	81.9	81.4	84.3	85.9	86.6	87.5	87.7	87.9	88.1	88.3	88.5	88.8	
≥1200	6.3	69.6	78.9	83.0	82.7	85.0	87.9	88.7	89.6	89.8	90.0	90.1	90.3	90.5	90.9	
≥1000	6.3	7.2	80.3	83.4	83.9	87.3	89.3	9.1	91.1	91.3	91.5	91.6	91.9	92.1	92.4	
≥900	66.1	7.3	80.2	83.6	84.1	87.5	89.6	9.5	91.5	91.7	91.9	92.0	92.3	92.5	92.8	
≥800	6.1	70.5	80.6	84.0	84.6	88.1	9.5	91.4	92.5	92.7	92.9	93.1	93.3	93.5	93.9	
≥700	6.3	70.7	81.0	84.5	85.1	88.7	91.2	92.1	93.3	93.5	93.7	93.9	94.2	94.4	94.8	
≥600	6.4	7.8	81.3	84.8	85.4	89.2	92.0	92.9	94.2	94.4	94.7	94.9	95.1	95.4	95.7	
≥500	6.4	7.8	81.3	84.9	85.5	89.5	92.3	93.3	94.7	94.9	95.2	95.4	95.7	96.0	96.3	
≥400	6.4	7.9	81.4	85.0	85.6	89.7	92.7	93.7	95.1	95.4	95.7	95.9	96.2	96.4	96.7	
≥300	6.4	7.9	81.4	85.1	85.7	89.8	92.8	93.9	95.5	95.8	96.1	96.4	96.7	97.0	97.3	
≥200	6.4	7.9	81.4	85.1	85.7	89.5	92.9	94.1	95.7	96.0	96.3	96.9	97.3	97.7	98.4	
≥100	6.4	7.9	81.4	85.1	85.7	89.9	93.0	94.1	95.7	96.0	96.5	96.9	97.4	97.9	99.4	
≥0	6.4	7.9	81.4	85.1	85.7	89.5	93.0	94.1	95.7	96.0	96.5	96.9	97.4	97.9	100.0	

TOTAL NUMBER OF OBSERVATIONS 7439

CECIL CLIMATOLOGY BRANCH
ETAC
AIR FATHER SERVICE MAC

CEILING VERSUS VISIBILITY

1977

ILDENHALL 7AF K

4-E7

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

300-0-00
HOURS 151

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥1/64
≥20000	30.1	31.4	36.1	36.6	36.9	39.4	39.7	40.1	41.9	43.1	44.2	44.7	44.7	44.7	44.9	45.3
≥18000	3.2	34.1	39.2	39.7	40.1	41.9	43.1	44.2	44.7	44.7	44.7	44.7	44.7	44.9	45.3	46.1
≥16000	3.1	34.2	39.3	39.8	40.2	42.0	43.2	44.3	44.8	44.8	44.8	44.8	44.8	45.0	45.4	46.2
≥14000	3.3	34.3	39.3	39.8	40.2	42.0	43.2	44.3	44.8	44.8	44.8	44.8	44.8	45.0	45.4	46.2
≥12000	3.3	34.2	39.3	39.8	40.2	42.0	43.2	44.3	44.8	44.8	44.8	44.8	44.8	45.0	45.4	46.2
≥10000	3.3	34.2	39.3	39.8	40.2	42.0	43.2	44.3	44.8	44.8	44.8	44.8	44.8	45.0	45.4	46.2
≥9000	3.4	35.9	40.9	41.3	41.8	43.8	45.2	46.3	46.9	46.8	46.8	46.8	46.8	47.0	47.4	48.2
≥8000	7.1	6.3	41.4	41.7	42.3	44.4	45.9	47.0	47.4	47.4	47.4	47.4	47.4	47.7	48.1	48.9
≥7000	37.1	39.9	45.3	45.9	46.1	48.6	50.0	51.3	51.8	51.8	51.8	51.8	51.8	52.0	52.4	53.2
≥6000	3.1	39.9	45.9	46.4	47.1	49.2	50.7	52.1	52.4	52.4	52.4	52.4	52.4	52.7	53.1	53.9
≥5000	3.1	39.9	45.9	46.4	47.1	49.2	50.7	52.1	52.4	52.4	52.4	52.4	52.4	52.7	53.1	53.9
≥4500	4.2	5.3	53.4	54.2	54.3	57.1	58.6	59.9	60.3	60.3	60.3	60.3	60.3	60.6	61.0	61.8
≥4000	4.4	5.3	53.4	54.2	54.3	57.1	58.6	59.9	60.3	60.3	60.3	60.3	60.3	60.6	61.0	61.8
≥3500	3.2	55.7	64.3	65.4	66.1	68.6	70.1	71.3	71.9	72.0	72.0	72.0	72.0	72.2	72.7	73.4
≥3000	5.2	59.7	67.9	69.1	69.8	72.2	74.1	75.6	76.1	76.1	76.1	76.1	76.1	76.3	76.8	77.6
≥2500	5.2	61.0	70.7	72.1	72.8	75.2	77.1	78.6	79.1	79.1	79.1	79.1	79.1	79.3	79.8	80.6
≥2000	5.2	64.1	76.7	76.7	76.7	79.1	81.2	82.7	83.2	83.2	83.2	83.2	83.2	83.4	83.9	84.7
≥1800	1.1	64.4	75.2	76.6	77.2	79.1	81.9	83.3	83.9	84.0	84.0	84.0	84.0	84.2	84.7	85.4
≥1500	2.3	65.7	76.9	79.7	78.9	81.3	82.7	85.1	85.7	85.7	85.7	85.7	85.7	86.0	86.4	87.2
≥1200	3.1	66.9	78.1	79.4	80.1	82.7	85.1	86.7	87.2	87.3	87.3	87.3	87.3	87.6	88.0	88.7
≥1000	53.1	68.0	79.6	81.7	81.7	84.2	86.7	88.2	88.8	88.9	88.9	88.9	88.9	89.1	89.6	90.4
≥900	4.7	67.7	80.2	81.7	82.3	84.9	87.3	88.9	89.4	89.6	89.6	89.6	89.6	89.8	90.2	91.0
≥800	64.1	69.1	80.8	82.1	83.4	86.6	89.1	90.7	91.2	91.3	91.3	91.3	91.3	91.6	92.0	92.8
≥700	64.1	69.1	80.8	82.1	83.4	86.6	89.1	90.7	91.2	91.3	91.3	91.3	91.3	91.6	92.0	92.8
≥600	5.1	69.1	81.1	83.4	84.4	87.7	90.3	91.9	92.6	92.7	92.7	92.7	92.7	92.9	93.3	94.1
≥500	5.1	69.2	81.2	83.6	84.6	87.8	90.8	92.3	93.2	93.3	93.3	93.3	93.3	93.6	94.0	94.8
≥400	5.2	69.3	81.3	83.7	84.7	87.9	91.0	92.8	93.9	94.0	94.0	94.0	94.0	94.2	94.7	95.4
≥300	5.2	69.3	81.3	83.7	84.7	88.0	91.1	93.0	94.4	94.6	94.7	94.9	95.4	95.4	95.4	96.7
≥200	5.2	69.3	81.3	83.7	84.7	88.0	91.2	93.1	94.8	94.9	95.0	95.3	96.2	97.7	98.7	99.3
≥100	5.2	69.3	81.3	83.7	84.7	88.0	91.2	93.1	94.8	94.9	95.0	95.6	96.4	97.9	99.3	100.0
≥0	5.2	69.3	81.3	83.7	84.7	88.0	91.2	93.1	94.8	94.9	95.0	95.6	96.4	97.9	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 900

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

15-71
STATION

ILDENHALL RAF K
STATION NAME

4-67
YEAR

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

100-0500
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	1/2	3/8	1/4	1/8	1/16	1/32	1/64	1/128	1/256	1/512	1/1024	1/2048	1/4096	1/8192	1/16384	1/32768
NO CEILING		29.6	33.2	35.4	35.9	37.1	38.1	38.6	38.7	38.7	38.7	38.7	38.7	38.8	39.2	40.1
≥ 20000		0.8	31.2	35.1	37.6	38.0	39.2	40.2	40.8	40.9	40.9	41.1	41.2	41.1	41.6	42.4
≥ 18000		0.0	1.4	35.3	37.8	38.2	39.4	40.4	41.1	41.1	41.1	41.2	41.2	41.3	41.8	42.7
≥ 16000		0.0	31.4	35.3	37.8	38.2	39.4	40.4	41.0	41.1	41.1	41.2	41.2	41.3	41.9	42.7
≥ 14000		0.0	31.4	35.3	37.8	38.2	39.4	40.4	41.1	41.1	41.1	41.2	41.2	41.3	41.8	42.7
≥ 12000		0.0	31.4	35.3	37.8	38.2	39.4	40.4	41.1	41.1	41.1	41.2	41.2	41.3	41.8	42.7
≥ 10000		1.1	32.4	36.7	39.2	39.8	41.1	42.1	42.6	42.7	42.7	42.8	42.8	42.9	43.3	44.2
≥ 9000		0.0	33.4	37.6	40.3	40.9	42.2	43.2	43.9	43.9	44.1	44.2	44.2	44.1	44.6	45.4
≥ 8000		3.4	36.7	41.1	43.8	44.3	45.1	46.7	47.3	47.6	47.6	47.7	47.7	47.8	48.2	49.1
≥ 7000		3.4	36.9	41.8	44.6	45.1	46.4	47.4	48.1	48.3	48.3	48.4	48.4	48.6	49.0	49.9
≥ 6000		3.4	36.7	41.8	44.6	45.1	46.4	47.4	48.1	48.3	48.3	48.4	48.4	48.6	49.0	49.9
≥ 5000		3.6	37.7	44.7	47.4	48.0	49.3	50.3	51.1	51.2	51.2	51.3	51.3	51.4	51.9	52.8
≥ 4500		1.0	42.4	48.2	51.1	51.7	53.0	54.2	54.9	55.1	55.1	55.2	55.2	55.3	55.8	56.7
≥ 4000		47.1	50.1	56.4	59.3	59.9	61.3	62.7	63.3	63.9	63.9	64.0	64.0	64.1	64.6	65.7
≥ 3500		0.0	52.2	57.7	62.8	63.3	64.8	66.1	66.8	67.3	67.3	67.4	67.4	67.6	68.0	69.1
≥ 3000		0.2	55.7	64.1	67.8	68.0	69.7	71.7	72.3	72.9	72.9	73.1	73.1	73.1	73.6	74.7
≥ 2500		55.1	59.4	67.3	70.8	71.7	73.1	75.1	75.8	76.3	76.3	76.4	76.4	76.6	77.1	78.1
≥ 2000		50.7	61.1	71.9	75.4	76.0	77.7	79.7	80.4	81.0	81.1	81.1	81.1	81.2	81.7	82.8
≥ 1800		50.9	61.8	72.2	75.8	76.3	78.1	80.0	80.8	81.3	81.6	81.7	81.7	81.8	82.2	83.3
≥ 1600		0.4	63.4	74.6	79.1	78.7	80.3	82.3	83.1	83.7	83.9	84.0	84.0	84.1	84.6	85.8
≥ 1400		2.7	65.7	77.2	80.9	81.4	83.2	85.3	86.2	86.8	87.1	87.1	87.1	87.2	87.7	88.9
≥ 1200		62.1	66.2	78.3	82.1	82.7	84.4	86.6	87.6	88.1	88.3	88.4	88.4	88.6	89.1	90.2
≥ 1000		52.1	66.9	79.4	83.3	83.9	85.7	87.8	88.8	89.4	89.7	89.8	89.8	89.9	90.3	91.6
≥ 900		3.2	66.7	79.3	83.4	84.1	85.9	88.1	89.1	89.9	90.0	90.1	90.1	90.3	90.8	92.0
≥ 800		3.2	66.9	79.4	83.9	84.4	86.8	89.1	90.0	90.7	90.9	91.1	91.1	91.2	91.7	92.9
≥ 700		3.3	67.7	79.7	84.1	84.7	87.1	89.8	91.1	91.8	92.1	92.1	92.1	92.4	92.9	94.1
≥ 600		3.3	67.7	79.7	84.2	84.8	87.3	90.2	91.6	92.2	92.6	92.7	92.7	93.1	93.4	94.7
≥ 500		3.3	67.7	79.7	84.2	84.8	87.3	90.2	91.6	92.2	92.6	92.7	92.7	93.1	93.4	94.7
≥ 400		3.3	67.7	79.7	84.2	84.8	87.3	90.2	91.6	92.2	92.6	92.7	92.7	93.1	93.4	94.7
≥ 300		3.3	67.7	79.7	84.2	84.8	87.3	90.2	91.6	92.2	92.6	92.7	92.7	93.1	93.4	94.7
≥ 200		3.3	67.7	79.7	84.2	84.8	87.3	90.2	91.6	92.2	92.6	92.7	92.7	93.1	93.4	94.7
≥ 100		3.3	67.7	79.7	84.2	84.8	87.3	90.2	91.6	92.2	92.6	92.7	92.7	93.1	93.4	94.7
≥ 0		3.3	67.7	79.7	84.2	84.8	87.3	90.2	91.6	92.2	92.6	92.7	92.7	93.1	93.4	94.7

TOTAL NUMBER OF OBSERVATIONS 970

GLOBAL CLIMATOLOGY BRANCH
 SET C
 WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

15-7-77 ILSENHALL RAF K
 STATION

4-87

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

600-6800
 600-6800

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10 10	26 GE9	23 G-8	24 GE6	23 GE4	22 GE4	22 GE3	21 GE24	21 GE2	21 GE16	24 GE1	24 GE10	23 GE23	23 GE15	24 GE24	20 G-1
NO CEILING		2.3	23.3	25.7	26.9	27.1	28.6	29.6	29.7	29.7	3.0	3.0	37.1	30.3	1.0	31.8
≥ 20000		2.6	26.6	29.2	30.4	30.7	31.7	32.2	32.7	33.3	33.8	33.8	33.9	34.1	34.8	35.6
≥ 18000		2.6	26.6	29.2	30.4	30.7	31.7	32.2	32.7	33.3	33.8	33.8	33.9	34.1	34.8	35.6
≥ 16000		2.6	26.6	29.2	30.4	30.7	31.7	32.2	32.7	33.3	33.8	33.8	33.9	34.1	34.8	35.6
≥ 14000		2.6	26.6	29.2	30.4	30.7	31.7	32.2	32.7	33.3	33.8	33.8	33.9	34.1	34.8	35.6
≥ 12000		2.6	26.6	29.2	30.4	30.7	31.7	32.2	32.7	33.3	33.8	33.8	33.9	34.1	34.8	35.6
≥ 10000		2.0	23.0	31.1	32.8	33.0	34.0	34.6	35.0	35.7	36.1	36.1	36.2	36.4	37.1	37.9
≥ 9000		2.8	18.9	32.0	33.7	33.9	34.9	35.4	35.7	36.6	37.0	37.7	37.1	37.3	38.0	38.8
≥ 8000		1.0	33.1	36.7	39.3	38.6	39.4	40.3	40.8	41.4	41.9	41.9	42.0	42.2	42.9	43.7
≥ 7000		3.0	34.2	37.9	39.6	39.3	40.8	41.6	42.0	42.7	43.1	43.1	43.2	43.4	44.1	44.9
≥ 6000		3.1	34.3	38.0	39.7	39.9	41.0	41.8	42.2	42.9	43.3	43.3	43.4	43.7	44.3	45.1
≥ 5000		3.1	36.3	40.3	42.1	42.3	43.6	44.4	44.9	45.7	46.1	46.1	46.2	46.6	47.2	48.0
≥ 4500		1.0	40.6	45.1	46.9	47.1	48.3	49.2	49.7	50.4	50.9	5.9	51.7	51.3	52.0	52.8
≥ 4000		4.5	47.0	52.6	54.4	54.7	5.0	57.2	57.9	59.0	59.4	59.6	59.7	60.0	6.7	61.4
≥ 3500		5.2	51.7	58.2	6.1	60.3	61.7	63.1	63.9	65.1	5.6	65.7	65.8	66.1	66.8	67.6
≥ 3000		5.3	55.3	62.0	64.7	64.4	65.8	67.4	68.2	69.6	7.0	70.1	70.3	70.7	1.3	72.1
≥ 2500		5.6	57.2	64.3	66.3	66.9	68.6	7.3	71.1	72.6	73.0	73.1	73.3	73.7	74.3	75.1
≥ 2000		5.8	60.6	68.9	71.2	71.8	73.6	75.7	76.4	78.0	78.6	78.7	78.9	79.2	79.9	8.7
≥ 1800		5.2	61.0	69.4	71.8	72.3	74.3	76.2	77.0	78.6	79.1	79.2	79.4	79.8	80.4	81.2
≥ 1500		5.2	63.2	72.1	74.9	75.7	78.0	79.9	80.8	82.4	83.0	83.1	83.3	83.7	84.3	85.1
≥ 1200		62.8	64.8	74.3	77.2	78.7	81.7	82.6	83.7	85.4	86.0	86.0	86.4	86.8	87.4	88.2
≥ 1000		3.0	65.0	74.9	77.8	78.6	81.3	83.4	84.8	86.6	87.1	87.3	87.6	87.9	88.6	89.3
≥ 900		3.1	65.3	75.3	78.2	79.1	81.9	84.3	85.7	87.4	88.0	88.2	88.4	88.8	89.4	90.2
≥ 800		3.2	65.6	75.7	78.6	79.4	82.3	84.9	86.2	88.1	88.7	88.9	89.1	89.4	90.1	90.9
≥ 700		3.3	65.8	75.9	79.0	79.9	83.1	85.9	87.2	89.1	89.7	89.9	90.1	90.4	91.1	91.9
≥ 600		3.4	65.9	76.2	79.4	8.3	83.8	86.7	88.1	9.0	90.6	9.8	91.0	91.3	92.0	92.8
≥ 500		3.6	66.0	76.3	79.6	80.7	84.7	87.9	89.3	91.2	91.8	92.0	92.3	92.7	93.3	94.1
≥ 400		3.0	66.0	76.3	79.6	80.7	84.7	88.1	89.6	91.7	92.2	92.4	92.9	93.4	94.1	94.9
≥ 300		3.6	66.0	76.3	79.6	80.7	84.7	88.6	90.1	92.6	93.1	93.4	94.1	95.2	96.2	97.0
≥ 200		3.6	66.0	76.3	79.6	80.7	84.7	88.6	90.1	92.6	93.2	93.6	94.2	95.4	96.6	97.6
≥ 100		3.6	66.0	76.3	79.6	80.7	84.7	88.6	90.1	92.7	93.3	93.7	94.3	95.7	96.9	99.3
≥ 0		3.6	66.0	76.3	79.6	80.7	84.7	88.6	90.1	92.7	93.3	93.7	94.3	95.7	97.1	100.0

TOTAL NUMBER OF OBSERVATIONS 970

GL -AL CLIMATOLOGY BRANCH
 UAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION ILDENHALL RAF K
 STATION NAME

4-27
 YEARS

NOV
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

100-100
 HOURS TEST

CEILING FEET	VISIBILITY: STATUTE MILES															OR (HUNDREDS OF METERS)				
	≥10 510	≥9 259	≥8 233	≥7 216	≥6 194	≥5 164	≥4 124	≥3 92	≥2 61	≥1 30	≥1 30	≥1 30	≥1 30	≥1 30	≥1 30	≥1 30	≥1 30	≥1 30	≥1 30	≥1 30
NO CEILING	25.7	27.2	30.2	31.8	32.2	33.2	34.6	35.1	35.6	35.9	36.0	36.1	36.2	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 20000	25.7	27.2	30.2	31.8	32.2	33.2	34.6	35.1	35.6	35.9	36.0	36.1	36.2	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 18000	25.7	27.2	30.2	31.8	32.2	33.2	34.6	35.1	35.6	35.9	36.0	36.1	36.2	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 16000	25.7	27.2	30.2	31.8	32.2	33.2	34.6	35.1	35.6	35.9	36.0	36.1	36.2	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 14000	25.7	27.2	30.2	31.8	32.2	33.2	34.6	35.1	35.6	35.9	36.0	36.1	36.2	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 12000	25.7	27.2	30.2	31.8	32.2	33.2	34.6	35.1	35.6	35.9	36.0	36.1	36.2	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 10000	25.7	27.2	30.2	31.8	32.2	33.2	34.6	35.1	35.6	35.9	36.0	36.1	36.2	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 9500	25.7	27.2	30.2	31.8	32.2	33.2	34.6	35.1	35.6	35.9	36.0	36.1	36.2	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 9000	25.7	27.2	30.2	31.8	32.2	33.2	34.6	35.1	35.6	35.9	36.0	36.1	36.2	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 8500	25.7	27.2	30.2	31.8	32.2	33.2	34.6	35.1	35.6	35.9	36.0	36.1	36.2	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 8000	25.7	27.2	30.2	31.8	32.2	33.2	34.6	35.1	35.6	35.9	36.0	36.1	36.2	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 7500	25.7	27.2	30.2	31.8	32.2	33.2	34.6	35.1	35.6	35.9	36.0	36.1	36.2	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 7000	25.7	27.2	30.2	31.8	32.2	33.2	34.6	35.1	35.6	35.9	36.0	36.1	36.2	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 6500	25.7	27.2	30.2	31.8	32.2	33.2	34.6	35.1	35.6	35.9	36.0	36.1	36.2	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 6000	25.7	27.2	30.2	31.8	32.2	33.2	34.6	35.1	35.6	35.9	36.0	36.1	36.2	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 5500	25.7	27.2	30.2	31.8	32.2	33.2	34.6	35.1	35.6	35.9	36.0	36.1	36.2	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 5000	25.7	27.2	30.2	31.8	32.2	33.2	34.6	35.1	35.6	35.9	36.0	36.1	36.2	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 4500	25.7	27.2	30.2	31.8	32.2	33.2	34.6	35.1	35.6	35.9	36.0	36.1	36.2	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 4000	25.7	27.2	30.2	31.8	32.2	33.2	34.6	35.1	35.6	35.9	36.0	36.1	36.2	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 3500	25.7	27.2	30.2	31.8	32.2	33.2	34.6	35.1	35.6	35.9	36.0	36.1	36.2	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 3000	25.7	27.2	30.2	31.8	32.2	33.2	34.6	35.1	35.6	35.9	36.0	36.1	36.2	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 2500	25.7	27.2	30.2	31.8	32.2	33.2	34.6	35.1	35.6	35.9	36.0	36.1	36.2	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 2000	25.7	27.2	30.2	31.8	32.2	33.2	34.6	35.1	35.6	35.9	36.0	36.1	36.2	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 1800	25.7	27.2	30.2	31.8	32.2	33.2	34.6	35.1	35.6	35.9	36.0	36.1	36.2	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 1500	25.7	27.2	30.2	31.8	32.2	33.2	34.6	35.1	35.6	35.9	36.0	36.1	36.2	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 1200	25.7	27.2	30.2	31.8	32.2	33.2	34.6	35.1	35.6	35.9	36.0	36.1	36.2	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 1000	25.7	27.2	30.2	31.8	32.2	33.2	34.6	35.1	35.6	35.9	36.0	36.1	36.2	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 900	25.7	27.2	30.2	31.8	32.2	33.2	34.6	35.1	35.6	35.9	36.0	36.1	36.2	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 800	25.7	27.2	30.2	31.8	32.2	33.2	34.6	35.1	35.6	35.9	36.0	36.1	36.2	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 700	25.7	27.2	30.2	31.8	32.2	33.2	34.6	35.1	35.6	35.9	36.0	36.1	36.2	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 600	25.7	27.2	30.2	31.8	32.2	33.2	34.6	35.1	35.6	35.9	36.0	36.1	36.2	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 500	25.7	27.2	30.2	31.8	32.2	33.2	34.6	35.1	35.6	35.9	36.0	36.1	36.2	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 400	25.7	27.2	30.2	31.8	32.2	33.2	34.6	35.1	35.6	35.9	36.0	36.1	36.2	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 300	25.7	27.2	30.2	31.8	32.2	33.2	34.6	35.1	35.6	35.9	36.0	36.1	36.2	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 200	25.7	27.2	30.2	31.8	32.2	33.2	34.6	35.1	35.6	35.9	36.0	36.1	36.2	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 100	25.7	27.2	30.2	31.8	32.2	33.2	34.6	35.1	35.6	35.9	36.0	36.1	36.2	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 0	25.7	27.2	30.2	31.8	32.2	33.2	34.6	35.1	35.6	35.9	36.0	36.1	36.2	36.4	36.4	36.4	36.4	36.4	36.4	36.4

TOTAL NUMBER OF OBSERVATIONS 979

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FEDERAL CLIMATOLOGY BRANCH
ETAC
AIR WEATHER SERVICE PAC

CEILING VERSUS VISIBILITY

STATION: ILDENHALL PAF K

4-27

NO.

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1 0-1422

CEILING FEET	VISIBILITY STATUTE MILES															
	210 510	20 500	25 550	24 540	23 530	22 520	21 510	20 500	19 490	18 480	17 470	16 460	15 450	14 440	13 430	12 420
NO. OF OBSERVATIONS	20000	18000	16000	14000	12000	10000	9000	8000	7000	6000	5000	4500	4000	3500	3000	2500
20000	2.2	22.4	23.9	24.4	24.6	25.1	25.1	25.3	25.2	25.3	25.3	25.3	25.3	25.3	25.3	25.9
18000	2.4	31.1	33.1	33.3	34.0	34.9	34.9	35.2	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.8
16000	3.0	31.4	33.4	34.2	34.3	35.1	35.2	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	36.1
14000	3.1	31.4	33.4	34.2	34.3	35.1	35.2	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	36.1
12000	3.1	31.4	33.4	34.2	34.3	35.1	35.2	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	36.1
10000	3.3	34.4	36.6	37.3	37.4	38.2	38.3	38.4	38.4	38.8	38.8	38.8	38.8	38.8	39.1	39.3
9000	3.5	36.6	37.7	39.4	39.6	40.2	40.4	40.5	40.6	40.7	40.7	40.7	40.7	40.7	41.2	41.4
8000	4.1	41.2	43.7	44.4	44.7	45.4	45.6	45.7	45.7	46.1	46.1	46.1	46.1	46.1	46.4	46.7
7000	4.4	41.2	43.7	44.4	44.7	45.4	45.6	45.7	45.7	46.1	46.1	46.1	46.1	46.1	46.4	46.7
6000	4.3	43.1	45.3	45.7	46.3	47.1	47.8	47.9	47.9	48.3	48.3	48.3	48.3	48.3	48.7	48.9
5000	4.3	45.1	48.0	47.7	49.2	50.1	50.2	50.4	50.4	51.1	51.1	51.1	51.1	51.1	51.4	51.7
4500	4.8	48.8	52.1	53.2	53.4	54.3	54.4	54.7	54.7	55.3	55.3	55.3	55.3	55.3	55.7	55.9
4000	5.1	51.1	56.7	57.8	58.2	59.2	59.3	59.6	59.6	60.2	60.2	60.2	60.2	60.2	60.6	60.8
3500	5.5	57.2	61.1	62.4	62.9	64.1	64.2	64.4	64.4	65.1	65.1	65.1	65.1	65.1	65.4	65.7
3000	6.7	62.4	66.7	68.1	68.6	70.1	70.2	70.6	70.6	71.2	71.2	71.2	71.2	71.2	71.6	71.8
2500	3.7	65.9	70.7	72.2	72.8	74.3	75.1	75.3	75.7	76.3	76.3	76.3	76.3	76.3	76.7	76.9
2000	6.3	69.9	74.0	75.8	76.4	78.3	79.1	79.3	79.7	80.3	80.3	80.6	80.6	80.9	81.1	81.1
1800	6.4	69.9	74.2	76.1	76.7	78.6	79.3	79.6	79.9	80.6	80.6	80.9	80.9	81.1	81.1	81.3
1600	6.7	72.7	78.2	80.3	81.1	82.9	83.7	83.9	84.3	85.0	85.0	85.2	85.2	85.6	85.6	85.8
1400	1.4	74.7	80.8	83.3	84.1	86.3	87.2	87.4	88.2	88.9	88.9	89.1	89.1	89.1	89.4	89.7
1200	1.8	75.1	82.2	84.9	85.6	88.3	89.2	89.4	89.4	90.1	90.1	90.1	90.1	90.1	90.1	90.1
1000	1.8	75.1	82.2	85.0	85.7	88.3	89.6	89.8	90.7	91.3	91.3	91.6	91.6	91.6	91.9	92.1
900	1.8	75.1	82.2	85.0	85.7	88.3	89.6	89.8	90.7	91.3	91.3	91.6	91.6	91.6	91.9	92.1
800	1.8	75.1	82.2	85.0	85.7	88.3	89.6	89.8	90.7	91.3	91.3	91.6	91.6	91.6	91.9	92.1
700	2.4	75.9	83.6	86.3	87.1	90.6	92.1	92.3	93.3	94.0	94.0	94.2	94.2	94.6	94.8	94.8
600	2.4	75.9	83.6	86.3	87.1	90.6	92.1	92.4	93.3	94.1	94.1	94.4	94.4	94.8	95.0	95.0
500	2.4	75.9	83.6	86.3	87.1	90.6	92.1	92.7	93.8	94.6	94.6	95.1	95.1	95.3	95.3	95.6
400	2.4	75.9	83.6	86.4	87.1	90.6	92.4	93.1	94.3	95.1	95.1	95.6	95.6	95.9	96.1	96.1
300	2.4	75.9	83.6	86.4	87.1	90.6	92.8	93.3	95.3	96.2	96.2	96.7	96.7	97.1	97.4	97.8
200	2.4	75.9	83.6	86.4	87.1	90.6	92.8	93.3	95.4	96.6	96.6	97.1	97.1	98.0	98.0	98.0
100	2.4	75.9	83.6	86.4	87.1	90.6	92.8	93.3	95.4	96.6	96.6	97.1	97.1	98.0	98.0	98.0
0	2.4	75.9	83.6	86.4	87.1	90.6	92.8	93.3	95.4	96.6	96.6	97.1	97.1	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
A WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7577 ILDENHALL RAF K

4-87

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0-7°C
HOURS 1-24

CEILING FEET	VISIBILITY: STATUTE MILES															
	210	200	180	160	140	120	100	80	60	40	20	10	5	3	2	1
NO CEILING	1.1	22.4	23.2	24.0	24.1	24.0	25.1	25.3	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4
≥ 20000	0.6	20.9	32.0	32.9	33.0	33.6	34.1	34.4	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 18000	0.9	30.2	32.3	33.2	33.3	34.1	34.4	34.8	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
≥ 16000	0.9	30.2	32.3	33.2	33.3	34.1	34.4	34.8	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
≥ 14000	0.1	30.4	32.6	33.4	33.6	34.3	34.7	35.0	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
≥ 12000	0.1	30.4	32.6	33.4	33.6	34.3	34.7	35.0	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
≥ 10000	31.0	32.9	35.1	36.0	36.2	37.0	37.3	37.7	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
≥ 9000	2.0	33.7	35.7	36.8	37.0	37.8	38.1	38.4	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
≥ 8000	3.7	40.3	42.7	43.6	43.8	44.6	45.0	45.3	45.8	45.9	45.9	45.9	45.9	45.9	45.9	45.9
≥ 7000	3.9	41.7	44.2	45.1	45.3	46.1	46.6	46.9	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 6000	10.0	41.8	44.3	45.2	45.4	46.2	46.7	47.0	47.4	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 5000	3.2	44.1	46.8	47.7	47.9	48.7	49.4	49.8	50.2	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 4500	44.0	46.8	50.0	51.0	51.1	52.2	53.1	53.4	54.0	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 4000	1.1	53.3	56.8	57.7	57.9	59.2	60.2	60.6	61.1	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 3500	5.3	57.8	61.2	62.2	62.4	64.0	65.0	65.3	66.0	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 3000	1.2	64.0	67.9	69.0	69.2	71.0	72.0	72.4	73.1	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 2500	4.4	67.6	71.6	72.9	73.2	75.3	76.3	76.8	77.9	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 2000	6.3	69.9	74.3	76.0	76.4	78.8	79.8	80.2	81.4	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 1800	56.0	70.2	74.7	76.4	76.8	79.1	80.6	81.9	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 1500	6.0	72.6	77.3	79.8	80.3	82.8	84.0	84.4	85.9	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 1200	0.3	74.6	80.2	82.8	83.3	85.9	87.1	87.7	89.1	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1000	1.4	76.1	82.4	85.2	85.8	88.4	89.9	90.4	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 900	0.4	76.1	82.7	85.7	86.2	89.0	90.4	91.0	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 800	1.9	76.8	83.6	86.6	87.1	90.4	92.0	92.7	94.2	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 700	1.9	76.9	83.7	86.9	87.4	91.1	92.9	93.6	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 600	71.9	76.9	83.7	86.9	87.4	91.1	92.9	93.6	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 500	71.9	76.9	83.8	87.0	87.6	91.4	93.4	94.4	96.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 400	71.9	76.9	83.8	87.0	87.6	91.6	93.6	94.7	96.8	97.2	97.3	97.3	97.3	97.3	97.3	97.3
≥ 300	71.9	76.9	83.8	87.0	87.6	91.6	93.6	94.9	97.1	97.6	97.7	97.7	97.7	97.7	97.7	97.7
≥ 200	71.9	76.9	83.8	87.0	87.6	91.6	93.8	95.0	97.2	97.7	97.8	97.8	97.8	97.8	97.8	97.8
≥ 100	71.9	76.9	83.8	87.0	87.6	91.6	93.8	95.0	97.2	97.7	97.8	97.8	97.8	97.8	97.8	97.8
≥ 0	71.9	76.9	83.8	87.0	87.6	91.6	93.8	95.0	97.2	97.7	97.8	97.8	97.8	97.8	97.8	97.8

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 7-64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CLIMATE CLIMATOLOGY BRANCH
METEC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1577 WILDENHALL RAF K
STATION NAME

4-57
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

10 2-2300
HOURS

CEILING FEET	VISIBILITY: STATUTE MILES															
	210 210	20 200	25 250	24 240	23 230	22 220	21 210	20 200	19 190	18 180	17 170	16 160	15 150	14 140	13 130	12 120
NO CEILING		30.1	33.1	34.3	34.9	35.3	35.9	36.3	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 20000		71.3	33.7	36.8	39.1	38.7	39.6	40.2	40.3	40.7	40.8	40.8	40.9	40.9	41.0	41.4
≥ 18000		71.3	33.7	36.8	39.1	38.7	39.6	40.2	40.3	40.7	40.8	40.8	40.9	40.9	41.0	41.4
≥ 16000		71.3	33.7	36.8	39.1	38.7	39.6	40.2	40.3	40.7	40.8	40.8	40.9	40.9	41.0	41.4
≥ 14000		71.3	33.7	36.8	39.1	38.7	39.6	40.2	40.3	40.7	40.8	40.8	40.9	40.9	41.0	41.4
≥ 12000		71.3	33.7	36.8	39.1	38.7	39.6	40.2	40.3	40.7	40.8	40.8	40.9	40.9	41.0	41.4
≥ 10000		33.3	35.4	38.8	40.1	40.8	41.7	42.3	42.4	42.8	42.9	42.9	43.1	43.1	43.1	43.6
≥ 9000		33.3	35.4	38.8	40.1	40.8	41.7	42.3	42.4	42.8	42.9	42.9	43.1	43.1	43.1	43.6
≥ 8000		7.2	4.2	43.9	45.2	45.7	46.9	47.6	48.0	48.3	48.6	48.6	48.7	48.7	48.9	49.3
≥ 7000		7.2	4.2	43.9	45.2	45.7	46.9	47.6	48.0	48.3	48.6	48.6	48.7	48.7	48.9	49.3
≥ 6000		7.2	4.2	43.9	45.2	45.7	46.9	47.6	48.0	48.3	48.6	48.6	48.7	48.7	48.9	49.3
≥ 5000		7.2	4.2	43.9	45.2	45.7	46.9	47.6	48.0	48.3	48.6	48.6	48.7	48.7	48.9	49.3
≥ 4500		45.1	50.0	53.3	54.8	55.4	56.4	57.3	57.8	58.2	58.4	58.4	58.6	58.6	58.8	59.2
≥ 4000		1.0	55.1	59.8	61.4	62.2	63.6	64.4	64.9	65.4	65.7	65.7	65.8	65.9	66.2	66.8
≥ 3500		5.2	6.1	65.3	67.1	68.3	69.6	70.4	70.9	71.4	71.7	71.7	71.8	71.9	72.2	72.8
≥ 3000		5.3	64.4	69.8	71.6	72.4	74.3	74.9	75.6	76.1	76.3	76.4	76.6	76.7	77.0	77.6
≥ 2500		3.1	67.3	73.4	75.2	76.1	77.7	78.8	79.6	80.1	80.3	80.4	80.6	80.7	81.1	81.6
≥ 2000		6.1	71.3	73.1	79.9	80.8	82.4	83.8	84.4	85.1	85.3	85.4	85.6	85.7	86.1	86.6
≥ 1800		6.4	71.4	78.6	80.7	81.6	83.2	84.6	85.3	85.9	86.1	86.2	86.3	86.4	86.8	87.3
≥ 1600		67.7	72.9	80.4	82.6	83.4	85.1	86.6	87.3	87.9	88.1	88.2	88.3	88.4	88.8	89.3
≥ 1400		5.8	74.1	82.1	84.1	85.1	86.7	88.1	88.9	89.7	89.9	90.0	90.1	90.2	90.6	91.1
≥ 1200		5.4	74.9	83.1	85.4	86.3	88.3	89.8	90.7	91.4	91.8	91.9	92.0	92.1	92.4	93.1
≥ 1000		6.1	75.1	83.6	85.9	86.8	88.8	90.3	91.2	92.0	92.3	92.4	92.6	92.7	93.1	93.6
≥ 900		6.6	75.1	84.1	86.6	87.4	89.4	91.1	92.0	92.9	93.2	93.3	93.4	93.6	93.9	94.4
≥ 800		6.7	75.1	84.3	86.9	87.8	89.8	91.5	92.4	93.7	94.0	94.1	94.2	94.3	94.7	95.2
≥ 700		6.8	75.2	84.6	87.1	88.1	90.1	91.8	92.7	94.1	94.4	94.6	94.7	94.8	95.1	95.7
≥ 600		6.8	75.2	84.6	87.1	88.1	90.1	91.8	92.7	94.1	94.4	94.6	94.7	94.8	95.1	95.7
≥ 500		6.8	75.2	84.6	87.1	88.1	90.1	91.8	92.7	94.1	94.4	94.6	94.7	94.8	95.1	95.7
≥ 400		6.8	75.2	84.6	87.1	88.1	90.1	91.8	92.7	94.1	94.4	94.6	94.7	94.8	95.1	95.7
≥ 300		6.8	75.2	84.6	87.1	88.1	90.1	91.8	92.7	94.1	94.4	94.6	94.7	94.8	95.1	95.7
≥ 200		6.8	75.2	84.6	87.1	88.1	90.1	91.8	92.7	94.1	94.4	94.6	94.7	94.8	95.1	95.7
≥ 100		6.8	75.2	84.6	87.1	88.1	90.1	91.8	92.7	94.1	94.4	94.6	94.7	94.8	95.1	95.7
≥ 0		6.8	75.2	84.6	87.1	88.1	90.1	91.8	92.7	94.1	94.4	94.6	94.7	94.8	95.1	95.7

TOTAL NUMBER OF OBSERVATIONS 900

CLIMATOLOGY BRANCH
ETAC
FATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION ILDENHALL DAF K

4-57

YEARS

NOV

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

10-237
HOURS

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	10.0
NO CEILING	1.0	33.7	35.7	38.4	38.7	39.6	40.7	41.4	42.1	42.1	42.2	42.3	42.4	42.4	43.0	
≥ 20000	73.0	35.7	41.1	42.7	42.2	43.4	44.7	45.4	46.1	46.1	46.2	46.3	46.4	46.4	47.0	
≥ 18000	73.0	35.7	41.1	42.7	42.2	43.4	44.7	45.4	46.1	46.1	46.2	46.3	46.4	46.4	47.0	
≥ 16000	73.0	35.7	41.1	42.7	42.2	43.4	44.7	45.4	46.1	46.1	46.2	46.3	46.4	46.4	47.0	
≥ 14000	73.0	35.7	41.1	42.7	42.2	43.4	44.7	45.4	46.1	46.1	46.2	46.3	46.4	46.4	47.0	
≥ 12000	73.0	35.7	41.1	42.7	42.2	43.4	44.7	45.4	46.1	46.1	46.2	46.3	46.4	46.4	47.0	
≥ 10000	73.0	35.7	41.1	42.7	42.2	43.4	44.7	45.4	46.1	46.1	46.2	46.3	46.4	46.4	47.0	
≥ 9000	73.0	35.7	41.1	42.7	42.2	43.4	44.7	45.4	46.1	46.1	46.2	46.3	46.4	46.4	47.0	
≥ 8000	73.0	35.7	41.1	42.7	42.2	43.4	44.7	45.4	46.1	46.1	46.2	46.3	46.4	46.4	47.0	
≥ 7000	73.0	35.7	41.1	42.7	42.2	43.4	44.7	45.4	46.1	46.1	46.2	46.3	46.4	46.4	47.0	
≥ 6000	73.0	35.7	41.1	42.7	42.2	43.4	44.7	45.4	46.1	46.1	46.2	46.3	46.4	46.4	47.0	
≥ 5000	73.0	35.7	41.1	42.7	42.2	43.4	44.7	45.4	46.1	46.1	46.2	46.3	46.4	46.4	47.0	
≥ 4500	73.0	35.7	41.1	42.7	42.2	43.4	44.7	45.4	46.1	46.1	46.2	46.3	46.4	46.4	47.0	
≥ 4000	73.0	35.7	41.1	42.7	42.2	43.4	44.7	45.4	46.1	46.1	46.2	46.3	46.4	46.4	47.0	
≥ 3500	73.0	35.7	41.1	42.7	42.2	43.4	44.7	45.4	46.1	46.1	46.2	46.3	46.4	46.4	47.0	
≥ 3000	73.0	35.7	41.1	42.7	42.2	43.4	44.7	45.4	46.1	46.1	46.2	46.3	46.4	46.4	47.0	
≥ 2500	73.0	35.7	41.1	42.7	42.2	43.4	44.7	45.4	46.1	46.1	46.2	46.3	46.4	46.4	47.0	
≥ 2000	73.0	35.7	41.1	42.7	42.2	43.4	44.7	45.4	46.1	46.1	46.2	46.3	46.4	46.4	47.0	
≥ 1800	73.0	35.7	41.1	42.7	42.2	43.4	44.7	45.4	46.1	46.1	46.2	46.3	46.4	46.4	47.0	
≥ 1500	73.0	35.7	41.1	42.7	42.2	43.4	44.7	45.4	46.1	46.1	46.2	46.3	46.4	46.4	47.0	
≥ 1200	73.0	35.7	41.1	42.7	42.2	43.4	44.7	45.4	46.1	46.1	46.2	46.3	46.4	46.4	47.0	
≥ 1000	73.0	35.7	41.1	42.7	42.2	43.4	44.7	45.4	46.1	46.1	46.2	46.3	46.4	46.4	47.0	
≥ 900	73.0	35.7	41.1	42.7	42.2	43.4	44.7	45.4	46.1	46.1	46.2	46.3	46.4	46.4	47.0	
≥ 800	73.0	35.7	41.1	42.7	42.2	43.4	44.7	45.4	46.1	46.1	46.2	46.3	46.4	46.4	47.0	
≥ 700	73.0	35.7	41.1	42.7	42.2	43.4	44.7	45.4	46.1	46.1	46.2	46.3	46.4	46.4	47.0	
≥ 600	73.0	35.7	41.1	42.7	42.2	43.4	44.7	45.4	46.1	46.1	46.2	46.3	46.4	46.4	47.0	
≥ 500	73.0	35.7	41.1	42.7	42.2	43.4	44.7	45.4	46.1	46.1	46.2	46.3	46.4	46.4	47.0	
≥ 400	73.0	35.7	41.1	42.7	42.2	43.4	44.7	45.4	46.1	46.1	46.2	46.3	46.4	46.4	47.0	
≥ 300	73.0	35.7	41.1	42.7	42.2	43.4	44.7	45.4	46.1	46.1	46.2	46.3	46.4	46.4	47.0	
≥ 200	73.0	35.7	41.1	42.7	42.2	43.4	44.7	45.4	46.1	46.1	46.2	46.3	46.4	46.4	47.0	
≥ 100	73.0	35.7	41.1	42.7	42.2	43.4	44.7	45.4	46.1	46.1	46.2	46.3	46.4	46.4	47.0	
≥ 0	73.0	35.7	41.1	42.7	42.2	43.4	44.7	45.4	46.1	46.1	46.2	46.3	46.4	46.4	47.0	

TOTAL NUMBER OF OBSERVATIONS 910

USAF ETAC FORM 10-54 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CLIMATE CLIMATOLOGY BRANCH
ETAC
AIR FATHER SERVICE/VAC

CEILING VERSUS VISIBILITY

STATION: ELSENHALL RAF K
STATION NAME

4-27

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

3-1
HOURS PER DAY

CEILING FEET	VISIBILITY: STATUTE MILES																20 (HUNDREDS OF METERS)			
	≥ 10 2.4	20 3.2	25 3.7	30 4.2	35 4.7	40 5.2	45 5.7	50 6.2	60 7.2	70 8.2	80 9.2	90 10.2	100 11.2	120 13.2	140 15.2	160 17.2	20 2.4	25 3.2	30 4.2	40 5.2
NO CEILING	7.6	26.7	29.4	31.7	30.9	1.8	32.4	37.1	33.2	33.3	33.3	33.4	33.5	33.8	34.3					
≥ 20000	7.9	31.2	34.5	35.9	36.1	37.2	37.9	38.4	38.8	38.9	39.0	39.0	39.2	39.4	40.0					
≥ 18000	7.1	31.4	34.7	36.7	36.3	37.4	38.1	38.6	39.1	39.1	39.2	39.2	39.4	39.7	40.2					
≥ 16000	7.1	31.4	34.7	36.7	36.3	37.4	38.1	38.6	39.1	39.1	39.2	39.2	39.4	39.7	40.2					
≥ 14000	7.1	31.4	34.7	36.7	36.3	37.4	38.2	38.7	39.3	39.2	39.2	39.3	39.4	39.7	40.3					
≥ 12000	7.1	31.5	34.8	36.8	36.4	37.5	38.3	38.8	39.3	39.3	39.3	39.4	39.5	39.8	40.3					
≥ 10000	7.1	33.3	36.8	38.7	38.5	39.7	40.4	40.9	41.5	41.4	41.5	41.5	41.7	42.0	42.5					
≥ 9000	7.2	34.1	37.6	39.6	39.4	40.5	41.3	41.8	42.2	42.3	42.4	42.5	42.6	42.9	43.4					
≥ 8000	7.3	34.8	42.1	43.6	44.0	45.2	46.0	46.6	47.0	47.2	47.2	47.3	47.4	47.8	48.3					
≥ 7000	7.3	34.8	43.3	44.9	45.2	46.4	47.2	47.8	48.2	48.4	48.4	48.5	48.7	49.0	49.5					
≥ 6000	7.3	39.5	43.5	45.9	45.7	46.9	47.4	48.7	48.4	48.6	48.7	48.8	48.9	49.2	49.7					
≥ 5000	7.3	41.5	45.9	47.4	47.9	49.1	50.0	50.6	51.1	51.3	51.4	51.4	51.6	51.9	52.4					
≥ 4500	43.1	45.8	50.6	52.1	52.5	53.9	54.9	55.5	56.0	56.2	56.3	56.3	56.5	56.8	57.3					
≥ 4000	44.4	51.7	57.0	58.4	59.1	60.7	61.8	62.4	63.0	63.3	63.3	63.4	63.6	63.9	64.5					
≥ 3500	34.3	55.7	61.7	63.9	64.0	65.7	66.8	67.5	68.1	68.4	68.4	68.5	68.7	69.0	69.6					
≥ 3000	50.1	60.1	66.3	68.5	68.9	70.6	71.9	72.6	73.3	73.6	73.7	73.7	73.9	74.3	74.8					
≥ 2500	50.8	63.9	69.7	71.7	71.3	74.2	75.7	76.4	77.2	77.5	77.5	77.6	77.8	78.2	78.7					
≥ 2000	20.5	65.9	73.5	75.7	76.4	78.4	79.8	80.8	81.7	81.8	82.0	82.1	82.3	82.7	83.2					
≥ 1800	20.7	66.2	73.8	76.1	76.8	78.9	80.5	81.3	82.1	82.5	82.5	82.6	82.8	83.2	83.7					
≥ 1500	40.6	68.2	76.3	78.9	79.6	81.8	83.5	84.3	85.2	85.5	85.6	85.7	85.9	86.2	86.8					
≥ 1200	60.0	69.9	77.4	81.1	81.9	84.2	86.0	86.8	87.8	88.2	88.3	88.4	88.6	88.9	89.5					
≥ 1000	60.6	70.7	79.6	82.3	83.1	85.6	87.5	88.5	89.5	89.9	90.0	90.1	90.3	90.6	91.2					
≥ 900	60.7	70.8	79.9	82.7	83.5	86.1	88.1	89.0	90.0	90.4	90.5	90.6	90.8	91.1	91.7					
≥ 800	66.0	71.2	80.5	83.4	84.3	87.1	89.1	90.1	91.2	91.6	91.7	91.8	92.0	92.4	92.9					
≥ 700	60.0	71.3	80.7	83.7	84.6	87.7	89.9	90.9	92.1	92.4	92.5	92.6	92.8	93.2	93.8					
≥ 600	60.0	71.3	80.8	84.0	84.9	88.1	90.4	91.4	92.5	92.9	93.0	93.1	93.3	93.7	94.3					
≥ 500	60.1	71.4	81.0	84.1	85.0	88.4	91.0	92.2	93.5	93.9	94.0	94.2	94.4	94.8	95.3					
≥ 400	60.1	71.4	81.0	84.2	85.1	88.6	91.2	92.5	94.0	94.4	94.5	94.7	94.9	95.3	95.8					
≥ 300	60.1	71.4	81.1	84.2	85.1	88.7	91.6	93.1	94.9	95.4	95.7	95.9	96.5	97.1	98.6					
≥ 200	60.1	71.4	81.1	84.2	85.2	88.7	91.6	93.1	94.9	95.4	95.7	95.9	96.8	97.7	99.6					
≥ 100	60.1	71.4	81.1	84.2	85.2	88.7	91.6	93.1	94.9	95.4	95.7	95.9	96.8	97.8	100.0					
≥ 0	60.1	71.4	81.1	84.2	85.2	88.7	91.6	93.1	94.9	95.4	95.7	95.9	96.8	97.8	100.0					

TOTAL NUMBER OF OBSERVATIONS 7200

USAF ETAC FORM 8-64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION ILDENHALL PAF K

1-81

0 0

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

000-0 00
HOURS 151

CEILING FEET	VISIBILITY (STATUTE MILES) OR (HUNDREDS OF METERS)															
	≥10 51.5	≥9 42.7	≥8 34.4	≥7 27.4	≥6 21.3	≥5 15.2	≥4 10.4	≥3 7.6	≥2 5.2	≥1.6 3.7	≥1 2.6	≥.8 1.9	≥.6 1.5	≥.5 1.2	≥.4 1.0	≥.3 .8
NO CEILING	23.0	25.1	27.2	29.9	31.8	32.7	33.1	33.7	34.1	34.2	34.3	34.3	34.4	34.6	34.6	35.4
≥ 20000	7.0	27.7	31.8	32.6	32.7	35.1	36.3	36.8	36.9	37.0	37.1	37.1	37.1	37.3	37.3	38.1
≥ 8000	2.0	27.3	31.9	32.7	32.8	35.2	36.5	36.9	37.0	37.1	37.1	37.2	37.4	37.4	38.2	38.2
≥ 6000	2.0	27.3	31.9	32.7	32.8	35.2	36.5	36.9	37.0	37.1	37.1	37.2	37.4	37.4	38.2	38.2
≥ 4000	2.0	27.4	32.0	32.8	32.9	35.3	36.6	37.0	37.1	37.2	37.2	37.3	37.5	37.5	38.3	38.3
≥ 2000	2.0	27.4	32.0	32.8	32.9	35.3	36.6	37.0	37.1	37.2	37.2	37.3	37.5	37.5	38.3	38.3
≥ 10000	2.0	27.8	32.6	33.3	33.4	35.5	37.1	37.5	37.6	37.7	37.7	37.8	38.1	38.1	38.9	38.9
≥ 8000	2.0	27.8	32.6	33.3	33.4	35.5	37.1	37.5	37.6	37.7	37.7	37.8	38.1	38.1	38.9	38.9
≥ 6000	2.0	27.8	32.6	33.3	33.4	35.5	37.1	37.5	37.6	37.7	37.7	37.8	38.1	38.1	38.9	38.9
≥ 4000	2.0	27.8	32.6	33.3	33.4	35.5	37.1	37.5	37.6	37.7	37.7	37.8	38.1	38.1	38.9	38.9
≥ 2000	2.0	27.8	32.6	33.3	33.4	35.5	37.1	37.5	37.6	37.7	37.7	37.8	38.1	38.1	38.9	38.9
≥ 1000	2.0	27.8	32.6	33.3	33.4	35.5	37.1	37.5	37.6	37.7	37.7	37.8	38.1	38.1	38.9	38.9
≥ 800	2.0	27.8	32.6	33.3	33.4	35.5	37.1	37.5	37.6	37.7	37.7	37.8	38.1	38.1	38.9	38.9
≥ 600	2.0	27.8	32.6	33.3	33.4	35.5	37.1	37.5	37.6	37.7	37.7	37.8	38.1	38.1	38.9	38.9
≥ 400	2.0	27.8	32.6	33.3	33.4	35.5	37.1	37.5	37.6	37.7	37.7	37.8	38.1	38.1	38.9	38.9
≥ 300	2.0	27.8	32.6	33.3	33.4	35.5	37.1	37.5	37.6	37.7	37.7	37.8	38.1	38.1	38.9	38.9
≥ 200	2.0	27.8	32.6	33.3	33.4	35.5	37.1	37.5	37.6	37.7	37.7	37.8	38.1	38.1	38.9	38.9
≥ 100	2.0	27.8	32.6	33.3	33.4	35.5	37.1	37.5	37.6	37.7	37.7	37.8	38.1	38.1	38.9	38.9
≥ 0	2.0	27.8	32.6	33.3	33.4	35.5	37.1	37.5	37.6	37.7	37.7	37.8	38.1	38.1	38.9	38.9

TOTAL NUMBER OF OBSERVATIONS 930

CLIMATE CLIMATOLOGY BRANCH
 ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION

ILDENHALL RAF K

1-8

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

100-3500
 HOURS PER YEAR

CEILING FEET	VISIBILITY - STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 10	≥6 6	≥5 5	≥4 4	≥3 3	≥2.5 2.5	≥2 2	≥1.5 1.5	≥1 1	≥0.5 0.5	≥0.25 0.25	≥0.1 0.1	≥0.05 0.05	≥0.025 0.025	≥0.01 0.01	≥0.005 0.005
NO FILING	2.3	26.3	79.7	3.8	3.8	32.7	33.3	34.3	34.4	34.5	34.5	34.6	34.7	34.8	35.1	
≥ 20000	2.1	28.3	32.0	33.2	33.2	35.2	35.8	36.8	36.9	37.1	37.1	37.2	37.3	37.4	37.6	
≥ 18000	2.1	28.3	32.0	33.2	33.2	35.2	35.8	36.8	36.9	37.1	37.1	37.2	37.3	37.4	37.6	
≥ 16000	2.1	28.3	32.0	33.2	33.2	35.2	35.8	36.8	36.9	37.1	37.1	37.2	37.3	37.4	37.6	
≥ 14000	2.1	28.3	32.0	33.2	33.2	35.2	35.8	36.8	36.9	37.1	37.1	37.2	37.3	37.4	37.6	
≥ 12000	2.1	28.3	32.0	33.2	33.2	35.2	35.8	36.8	36.9	37.1	37.1	37.2	37.3	37.4	37.6	
≥ 10000	2.5	29.7	32.5	33.7	33.7	35.9	36.6	37.5	37.6	37.8	37.8	38.1	38.1	38.2	38.4	
≥ 9000	2.0	29.1	32.1	34.1	34.1	36.3	37.0	38.0	38.1	38.3	39.3	39.4	38.5	38.6	38.8	
≥ 8000	1.1	31.5	35.4	36.9	36.9	39.4	40.0	41.1	41.2	41.4	41.4	41.5	41.6	41.7	42.1	
≥ 7000	1.1	32.2	36.1	37.5	37.5	4.1	41.1	42.2	42.3	42.5	42.5	42.6	42.7	42.8	43.1	
≥ 6000	2.2	33.4	37.3	38.9	38.9	41.6	42.7	43.9	44.1	44.2	44.2	44.3	44.4	44.5	44.8	
≥ 5000	3.5	36.0	41.2	42.9	42.8	45.5	46.6	47.7	47.8	48.1	48.1	48.2	48.3	48.4	48.7	
≥ 4500	2.1	40.5	45.7	47.4	47.4	50.6	51.9	53.1	53.2	53.4	53.4	53.7	53.8	54.1	54.3	
≥ 4000	2.1	43.7	49.6	51.5	51.5	55.2	56.5	57.8	58.0	58.2	58.2	58.4	58.5	58.7	59.1	
≥ 3500	4.2	49.1	55.6	57.5	57.5	61.4	63.1	64.5	64.7	64.9	64.9	65.2	65.3	65.5	65.9	
≥ 3000	1.0	52.9	59.4	61.5	61.5	65.5	67.6	69.1	69.2	69.5	69.5	69.7	69.8	70.0	70.4	
≥ 2500	55.1	58.2	65.4	67.5	67.5	71.1	73.9	75.3	75.5	75.7	75.7	75.9	76.1	76.2	76.7	
≥ 2000	5.2	58.5	65.8	68.1	68.1	72.2	74.3	75.7	75.9	76.1	76.1	76.3	76.5	76.7	77.1	
≥ 1800	5.7	62.2	7.5	72.8	72.8	77.1	79.1	8.8	81.0	81.2	81.2	81.4	81.5	81.7	82.2	
≥ 1600	2.3	64.8	73.9	76.3	76.3	80.5	82.7	84.3	84.5	84.7	84.7	84.9	85.1	85.3	85.7	
≥ 1400	2.3	65.9	75.8	78.6	78.6	82.9	85.2	86.9	87.1	87.2	87.2	87.4	87.5	87.7	88.2	
≥ 1200	5.1	66.0	76.1	79.9	79.9	83.2	85.5	87.1	87.3	87.5	87.5	87.7	87.8	88.1	88.5	
≥ 1000	3.1	66.2	76.9	79.7	79.7	84.0	86.2	87.8	88.1	88.3	88.3	88.5	88.6	88.8	89.2	
≥ 900	3.1	66.2	77.3	8.3	80.4	84.7	87.2	88.8	89.1	89.6	89.6	89.8	89.9	90.1	90.5	
≥ 800	3.1	66.2	77.5	8.8	80.9	85.9	88.6	9.2	90.9	91.1	91.1	91.3	91.4	91.6	92.0	
≥ 700	3.2	66.5	77.7	81.1	81.2	86.1	89.5	91.1	91.7	91.9	91.9	92.2	92.3	92.5	92.9	
≥ 600	3.1	66.6	78.0	81.3	81.4	86.9	90.0	91.6	92.5	92.7	92.7	92.9	93.1	93.2	93.7	
≥ 500	3.3	66.6	78.1	81.4	81.4	87.1	90.6	92.4	93.7	93.9	94.1	94.5	94.6	94.9	95.4	
≥ 400	3.3	66.6	78.1	81.4	81.4	87.1	91.1	92.7	94.5	94.8	95.3	95.7	96.3	96.9	97.7	
≥ 300	3.3	66.6	78.1	81.4	81.4	87.1	91.1	92.7	94.7	95.1	95.5	95.9	97.1	98.2	99.7	
≥ 200	3.3	66.6	78.1	81.4	81.4	87.1	91.1	92.7	94.7	95.1	95.5	95.9	97.1	98.2	99.7	
≥ 100	3.3	66.6	78.1	81.4	81.4	87.1	91.1	92.7	94.7	95.1	95.5	95.9	97.1	98.2	99.7	
≥ 0	3.3	66.6	78.1	81.4	81.4	87.1	91.1	92.7	94.7	95.1	95.5	95.9	97.1	98.2	100.0	

TOTAL NUMBER OF OBSERVATIONS 932

CLIMATE CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION: WILDEHALL RAF K
STATION NAME

1-87
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

37-7800
HOURS TEST

CEILING FEET	VISIBILITY (STATUTE MILES) OR (HUNDREDS OF METERS)															
	≥10	≥8	≥6	≥4	≥3	≥2	≥1	≥0.8	≥0.6	≥0.4	≥0.3	≥0.2	≥0.1	≥0.05	≥0.02	≥0.01
NO CEILING	72.0	23.0	26.0	21.6	26.6	28.1	25.0	29.4	29.9	31.1	31.2	31.2	31.3	30.5	30.9	
≥ 20000	7.1	25.5	28.6	29.1	29.1	30.6	31.6	31.9	32.6	32.8	32.9	32.9	33.0	33.3	33.7	
≥ 18000	7.1	25.5	28.6	29.1	29.1	30.6	31.6	31.9	32.6	32.8	32.9	32.9	33.0	33.3	33.7	
≥ 16000	7.1	25.5	28.6	29.1	29.1	30.6	31.6	31.9	32.6	32.8	32.9	32.9	33.0	33.3	33.7	
≥ 14000	7.1	25.5	28.6	29.1	29.1	30.6	31.6	31.9	32.6	32.8	32.9	32.9	33.0	33.3	33.7	
≥ 12000	7.1	25.5	28.6	29.1	29.1	30.6	31.6	31.9	32.6	32.8	32.9	32.9	33.0	33.3	33.7	
≥ 10000	7.1	25.5	28.6	29.1	29.1	30.6	31.6	31.9	32.6	32.8	32.9	32.9	33.0	33.3	33.7	
≥ 9000	7.1	25.5	28.6	29.1	29.1	30.6	31.6	31.9	32.6	32.8	32.9	32.9	33.0	33.3	33.7	
≥ 8000	7.1	25.5	28.6	29.1	29.1	30.6	31.6	31.9	32.6	32.8	32.9	32.9	33.0	33.3	33.7	
≥ 7000	7.1	25.5	28.6	29.1	29.1	30.6	31.6	31.9	32.6	32.8	32.9	32.9	33.0	33.3	33.7	
≥ 6000	7.1	25.5	28.6	29.1	29.1	30.6	31.6	31.9	32.6	32.8	32.9	32.9	33.0	33.3	33.7	
≥ 5000	7.1	25.5	28.6	29.1	29.1	30.6	31.6	31.9	32.6	32.8	32.9	32.9	33.0	33.3	33.7	
≥ 4500	7.1	25.5	28.6	29.1	29.1	30.6	31.6	31.9	32.6	32.8	32.9	32.9	33.0	33.3	33.7	
≥ 4000	7.1	25.5	28.6	29.1	29.1	30.6	31.6	31.9	32.6	32.8	32.9	32.9	33.0	33.3	33.7	
≥ 3500	7.1	25.5	28.6	29.1	29.1	30.6	31.6	31.9	32.6	32.8	32.9	32.9	33.0	33.3	33.7	
≥ 3000	7.1	25.5	28.6	29.1	29.1	30.6	31.6	31.9	32.6	32.8	32.9	32.9	33.0	33.3	33.7	
≥ 2500	7.1	25.5	28.6	29.1	29.1	30.6	31.6	31.9	32.6	32.8	32.9	32.9	33.0	33.3	33.7	
≥ 2000	7.1	25.5	28.6	29.1	29.1	30.6	31.6	31.9	32.6	32.8	32.9	32.9	33.0	33.3	33.7	
≥ 1800	7.1	25.5	28.6	29.1	29.1	30.6	31.6	31.9	32.6	32.8	32.9	32.9	33.0	33.3	33.7	
≥ 1500	7.1	25.5	28.6	29.1	29.1	30.6	31.6	31.9	32.6	32.8	32.9	32.9	33.0	33.3	33.7	
≥ 1200	7.1	25.5	28.6	29.1	29.1	30.6	31.6	31.9	32.6	32.8	32.9	32.9	33.0	33.3	33.7	
≥ 1000	7.1	25.5	28.6	29.1	29.1	30.6	31.6	31.9	32.6	32.8	32.9	32.9	33.0	33.3	33.7	
≥ 900	7.1	25.5	28.6	29.1	29.1	30.6	31.6	31.9	32.6	32.8	32.9	32.9	33.0	33.3	33.7	
≥ 800	7.1	25.5	28.6	29.1	29.1	30.6	31.6	31.9	32.6	32.8	32.9	32.9	33.0	33.3	33.7	
≥ 700	7.1	25.5	28.6	29.1	29.1	30.6	31.6	31.9	32.6	32.8	32.9	32.9	33.0	33.3	33.7	
≥ 600	7.1	25.5	28.6	29.1	29.1	30.6	31.6	31.9	32.6	32.8	32.9	32.9	33.0	33.3	33.7	
≥ 500	7.1	25.5	28.6	29.1	29.1	30.6	31.6	31.9	32.6	32.8	32.9	32.9	33.0	33.3	33.7	
≥ 400	7.1	25.5	28.6	29.1	29.1	30.6	31.6	31.9	32.6	32.8	32.9	32.9	33.0	33.3	33.7	
≥ 300	7.1	25.5	28.6	29.1	29.1	30.6	31.6	31.9	32.6	32.8	32.9	32.9	33.0	33.3	33.7	
≥ 200	7.1	25.5	28.6	29.1	29.1	30.6	31.6	31.9	32.6	32.8	32.9	32.9	33.0	33.3	33.7	
≥ 100	7.1	25.5	28.6	29.1	29.1	30.6	31.6	31.9	32.6	32.8	32.9	32.9	33.0	33.3	33.7	
≥ 0	7.1	25.5	28.6	29.1	29.1	30.6	31.6	31.9	32.6	32.8	32.9	32.9	33.0	33.3	33.7	

TOTAL NUMBER OF OBSERVATIONS 230

USAF ETAC FORM 10-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
METAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

75-71 ILDENHALL RAF K
STATION NAME

7-81 YEARS

0-6 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

100-170
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10 10	26 GE9	25 GE8	24 GE6	23 GE4	22 GE4	21 GE2	20 GE2	19 GE2	18 GE1	17 GE1	16 GE1	15 GE1	14 GE1	13 GE1	12 GE1
NO CEILING		1.9	19.7	21.0	21.9	22.2	23.4	24.4	24.5	24.7	24.7	24.7	24.8	24.8	5.1	25.5
≥ 20000		2.2	24.3	26.0	27.7	27.2	28.5	29.5	29.6	29.8	29.8	29.8	29.9	29.9	3.1	31.5
≥ 18000		2.4	24.6	26.3	27.3	27.5	28.8	29.8	29.9	30.1	30.1	30.1	30.2	30.2	3.4	31.9
≥ 16000		2.4	24.6	26.3	27.3	27.5	28.8	29.8	29.9	30.1	30.1	30.1	30.2	30.2	3.4	31.9
≥ 14000		2.3	24.7	26.5	27.4	27.6	28.9	29.9	30.0	30.2	30.2	30.2	30.3	30.3	30.5	31.7
≥ 12000		2.1	25.3	27.0	28.7	28.7	29.5	30.4	30.5	30.8	30.8	30.8	30.9	30.9	31.1	31.5
≥ 10000		2.5	26.7	28.8	29.8	30.0	31.7	32.7	32.8	33.0	33.0	33.0	33.1	33.1	33.3	33.8
≥ 9000		2.0	27.4	29.4	30.3	30.6	32.5	33.4	33.5	33.8	33.8	33.8	33.9	33.9	34.1	34.5
≥ 8000		1.1	30.5	32.8	33.9	34.2	36.2	37.3	37.4	37.8	37.8	37.8	38.0	38.0	38.2	38.6
≥ 7000		1.2	31.7	34.1	35.3	35.6	38.0	39.1	39.1	39.6	39.6	39.6	39.7	39.7	39.9	40.3
≥ 6000		0.2	31.7	34.2	35.4	35.7	38.1	39.2	39.4	39.8	39.8	39.8	39.9	39.9	40.1	40.5
≥ 5000		1.4	32.0	35.4	36.6	36.9	39.2	40.4	40.8	41.2	41.3	41.3	41.4	41.4	41.6	42.0
≥ 4500		3.0	38.1	41.2	42.6	43.0	45.6	46.9	47.3	47.7	47.8	48.0	48.1	48.1	48.3	48.7
≥ 4000		2.3	44.4	48.0	49.4	49.8	52.6	54.0	54.4	55.3	55.5	55.6	55.7	55.7	56.1	56.7
≥ 3500		4.2	48.5	52.0	53.5	54.0	57.5	59.0	59.7	60.6	60.7	61.0	61.1	61.1	61.5	62.0
≥ 3000		0.4	53.2	57.2	58.7	59.1	62.7	64.8	65.8	67.2	67.4	67.6	67.7	67.7	68.2	68.7
≥ 2500		3.4	56.3	60.5	62.0	62.5	66.1	68.7	69.7	71.2	71.4	71.6	71.7	71.7	72.2	72.7
≥ 2000		5.0	61.4	66.5	68.3	68.8	72.6	75.3	76.5	78.1	78.4	78.6	78.7	78.9	79.2	79.8
≥ 1800		5.9	63.1	68.3	70.2	70.8	74.0	77.3	78.5	80.1	80.4	80.6	80.8	80.9	81.3	81.8
≥ 1500		1.3	64.5	70.0	72.2	72.7	76.8	79.5	80.6	82.3	82.6	82.8	82.9	83.0	83.4	84.0
≥ 1200		2.0	65.5	71.5	74.2	74.7	78.8	81.5	82.7	84.3	84.6	84.8	84.9	85.1	85.5	86.0
≥ 1000		6.2	66.6	73.1	76.2	76.8	81.1	83.9	85.2	86.9	87.2	87.4	87.5	87.6	88.1	88.6
≥ 900		3.1	67.1	73.4	76.8	77.3	81.7	84.9	86.3	88.2	88.5	88.7	88.8	88.9	89.4	89.9
≥ 800		3.5	67.4	73.8	77.0	77.6	82.2	85.4	86.8	88.7	89.0	89.2	89.4	89.5	89.9	90.4
≥ 700		4.0	67.6	74.3	77.6	78.3	83.1	86.7	88.0	90.1	90.4	90.6	90.8	90.9	91.3	91.8
≥ 600		4.2	68.1	74.7	78.1	78.7	83.9	87.5	89.0	91.7	91.3	91.5	91.6	91.7	92.2	92.7
≥ 500		4.2	68.1	74.8	78.3	78.9	84.2	88.4	89.9	91.9	92.3	92.5	92.6	92.7	93.1	93.8
≥ 400		4.1	68.1	74.8	78.3	78.9	84.2	88.7	90.2	92.6	92.9	93.1	93.2	93.3	93.9	94.5
≥ 300		4.2	68.1	74.8	78.3	78.9	84.3	88.9	90.5	94.0	94.4	94.6	94.7	95.1	95.9	96.6
≥ 200		4.2	68.1	74.8	78.3	78.9	84.3	88.9	90.5	94.0	94.4	94.7	94.9	95.9	97.0	98.3
≥ 100		4.2	68.1	74.8	78.3	78.9	84.3	88.9	90.5	94.0	94.4	94.8	95.1	96.2	97.0	99.9
≥ 0		4.2	68.1	74.8	78.3	78.9	84.3	88.9	90.5	94.0	94.4	94.8	95.1	96.2	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 93

GENERAL CLIMATOLOGY BRANCH
USAF ETAC
A WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION: WILDMHALL RAF W

12-57

YEAR

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

170-1470
HOURS (LT)

CEILING FEET	VISIBILITY: STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.1
NO CEILING	21.0	22.4	23.5	24.5	24.7	25.4	26.0	26.5	26.7	26.7	26.8	26.8	26.8	26.8	26.8	26.9
≥ 20000	2.3	28.2	29.8	30.8	31.0	31.7	32.5	33.0	33.3	33.5	33.9	33.9	33.9	33.9	33.9	34.0
≥ 18000	2.8	28.7	30.3	31.3	31.5	32.3	33.0	33.5	33.9	34.1	34.4	34.4	34.4	34.4	34.4	34.5
≥ 16000	2.8	28.7	30.3	31.3	31.5	32.3	33.0	33.5	33.9	34.1	34.4	34.4	34.4	34.4	34.4	34.5
≥ 14000	2.8	28.7	30.3	31.3	31.5	32.3	33.0	33.5	33.9	34.1	34.4	34.4	34.4	34.4	34.4	34.5
≥ 12000	2.8	28.7	30.3	31.3	31.5	32.3	33.0	33.5	33.9	34.1	34.4	34.4	34.4	34.4	34.4	34.5
≥ 10000	2.8	28.7	30.3	31.3	31.5	32.3	33.0	33.5	33.9	34.1	34.4	34.4	34.4	34.4	34.4	34.5
≥ 9000	2.8	28.7	30.3	31.3	31.5	32.3	33.0	33.5	33.9	34.1	34.4	34.4	34.4	34.4	34.4	34.5
≥ 8000	2.8	28.7	30.3	31.3	31.5	32.3	33.0	33.5	33.9	34.1	34.4	34.4	34.4	34.4	34.4	34.5
≥ 7000	2.8	28.7	30.3	31.3	31.5	32.3	33.0	33.5	33.9	34.1	34.4	34.4	34.4	34.4	34.4	34.5
≥ 6000	2.8	28.7	30.3	31.3	31.5	32.3	33.0	33.5	33.9	34.1	34.4	34.4	34.4	34.4	34.4	34.5
≥ 5000	2.8	28.7	30.3	31.3	31.5	32.3	33.0	33.5	33.9	34.1	34.4	34.4	34.4	34.4	34.4	34.5
≥ 4500	2.8	28.7	30.3	31.3	31.5	32.3	33.0	33.5	33.9	34.1	34.4	34.4	34.4	34.4	34.4	34.5
≥ 4000	2.8	28.7	30.3	31.3	31.5	32.3	33.0	33.5	33.9	34.1	34.4	34.4	34.4	34.4	34.4	34.5
≥ 3500	2.8	28.7	30.3	31.3	31.5	32.3	33.0	33.5	33.9	34.1	34.4	34.4	34.4	34.4	34.4	34.5
≥ 3000	2.8	28.7	30.3	31.3	31.5	32.3	33.0	33.5	33.9	34.1	34.4	34.4	34.4	34.4	34.4	34.5
≥ 2500	2.8	28.7	30.3	31.3	31.5	32.3	33.0	33.5	33.9	34.1	34.4	34.4	34.4	34.4	34.4	34.5
≥ 2000	2.8	28.7	30.3	31.3	31.5	32.3	33.0	33.5	33.9	34.1	34.4	34.4	34.4	34.4	34.4	34.5
≥ 1800	2.8	28.7	30.3	31.3	31.5	32.3	33.0	33.5	33.9	34.1	34.4	34.4	34.4	34.4	34.4	34.5
≥ 1600	2.8	28.7	30.3	31.3	31.5	32.3	33.0	33.5	33.9	34.1	34.4	34.4	34.4	34.4	34.4	34.5
≥ 1400	2.8	28.7	30.3	31.3	31.5	32.3	33.0	33.5	33.9	34.1	34.4	34.4	34.4	34.4	34.4	34.5
≥ 1200	2.8	28.7	30.3	31.3	31.5	32.3	33.0	33.5	33.9	34.1	34.4	34.4	34.4	34.4	34.4	34.5
≥ 1000	2.8	28.7	30.3	31.3	31.5	32.3	33.0	33.5	33.9	34.1	34.4	34.4	34.4	34.4	34.4	34.5
≥ 900	2.8	28.7	30.3	31.3	31.5	32.3	33.0	33.5	33.9	34.1	34.4	34.4	34.4	34.4	34.4	34.5
≥ 800	2.8	28.7	30.3	31.3	31.5	32.3	33.0	33.5	33.9	34.1	34.4	34.4	34.4	34.4	34.4	34.5
≥ 700	2.8	28.7	30.3	31.3	31.5	32.3	33.0	33.5	33.9	34.1	34.4	34.4	34.4	34.4	34.4	34.5
≥ 600	2.8	28.7	30.3	31.3	31.5	32.3	33.0	33.5	33.9	34.1	34.4	34.4	34.4	34.4	34.4	34.5
≥ 500	2.8	28.7	30.3	31.3	31.5	32.3	33.0	33.5	33.9	34.1	34.4	34.4	34.4	34.4	34.4	34.5
≥ 400	2.8	28.7	30.3	31.3	31.5	32.3	33.0	33.5	33.9	34.1	34.4	34.4	34.4	34.4	34.4	34.5
≥ 300	2.8	28.7	30.3	31.3	31.5	32.3	33.0	33.5	33.9	34.1	34.4	34.4	34.4	34.4	34.4	34.5
≥ 200	2.8	28.7	30.3	31.3	31.5	32.3	33.0	33.5	33.9	34.1	34.4	34.4	34.4	34.4	34.4	34.5
≥ 100	2.8	28.7	30.3	31.3	31.5	32.3	33.0	33.5	33.9	34.1	34.4	34.4	34.4	34.4	34.4	34.5
≥ 0	2.8	28.7	30.3	31.3	31.5	32.3	33.0	33.5	33.9	34.1	34.4	34.4	34.4	34.4	34.4	34.5

TOTAL NUMBER OF OBSERVATIONS 932

USAF ETAC FORM 0-14-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE MAC

CEILING VERSUS VISIBILITY

15-72 ILLENHALL RAF K
STATION

1-67

YEARS

D.C.
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1-5-1722
FOOT

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10 1.0	26 GE9	25 GE3	24 GE6	23 GE48	22 GE4	21 GE12	20 GE24	19 GE2	18 GE6	17 GE17	16 GE10	15 GE23	14 GE25	13 GE24	12 GE
NO CEILING		21.4	21.1	24.9	25.4	25.5	26.6	27.1	27.2	27.5	27.6	27.7	27.8	28.0	28.0	28.0
≥ 20000		25.4	26.7	30.3	30.7	31.0	32.1	32.8	33.1	33.9	33.9	34.1	34.1	34.2	34.2	34.2
≥ 18000		25.4	26.7	30.4	31.7	31.1	32.4	32.7	33.1	33.9	34.1	34.1	34.2	34.3	34.3	34.3
≥ 16000		25.4	26.7	30.4	31.7	31.1	32.4	32.7	33.1	33.9	34.1	34.1	34.2	34.3	34.3	34.3
≥ 14000		25.4	26.7	30.4	31.7	31.1	32.4	32.7	33.1	33.9	34.1	34.1	34.2	34.3	34.3	34.3
≥ 12000		25.4	26.7	30.4	31.7	31.1	32.4	32.7	33.1	33.9	34.1	34.1	34.2	34.3	34.3	34.3
≥ 10000		25.4	26.7	30.4	31.7	31.1	32.4	32.7	33.1	33.9	34.1	34.1	34.2	34.3	34.3	34.3
≥ 9000		25.4	26.7	30.4	31.7	31.1	32.4	32.7	33.1	33.9	34.1	34.1	34.2	34.3	34.3	34.3
≥ 8000		25.4	26.7	30.4	31.7	31.1	32.4	32.7	33.1	33.9	34.1	34.1	34.2	34.3	34.3	34.3
≥ 7000		25.4	26.7	30.4	31.7	31.1	32.4	32.7	33.1	33.9	34.1	34.1	34.2	34.3	34.3	34.3
≥ 6000		25.4	26.7	30.4	31.7	31.1	32.4	32.7	33.1	33.9	34.1	34.1	34.2	34.3	34.3	34.3
≥ 5000		25.4	26.7	30.4	31.7	31.1	32.4	32.7	33.1	33.9	34.1	34.1	34.2	34.3	34.3	34.3
≥ 4500		25.4	26.7	30.4	31.7	31.1	32.4	32.7	33.1	33.9	34.1	34.1	34.2	34.3	34.3	34.3
≥ 4000		25.4	26.7	30.4	31.7	31.1	32.4	32.7	33.1	33.9	34.1	34.1	34.2	34.3	34.3	34.3
≥ 3500		25.4	26.7	30.4	31.7	31.1	32.4	32.7	33.1	33.9	34.1	34.1	34.2	34.3	34.3	34.3
≥ 3000		25.4	26.7	30.4	31.7	31.1	32.4	32.7	33.1	33.9	34.1	34.1	34.2	34.3	34.3	34.3
≥ 2500		25.4	26.7	30.4	31.7	31.1	32.4	32.7	33.1	33.9	34.1	34.1	34.2	34.3	34.3	34.3
≥ 2000		25.4	26.7	30.4	31.7	31.1	32.4	32.7	33.1	33.9	34.1	34.1	34.2	34.3	34.3	34.3
≥ 1800		25.4	26.7	30.4	31.7	31.1	32.4	32.7	33.1	33.9	34.1	34.1	34.2	34.3	34.3	34.3
≥ 1600		25.4	26.7	30.4	31.7	31.1	32.4	32.7	33.1	33.9	34.1	34.1	34.2	34.3	34.3	34.3
≥ 1400		25.4	26.7	30.4	31.7	31.1	32.4	32.7	33.1	33.9	34.1	34.1	34.2	34.3	34.3	34.3
≥ 1200		25.4	26.7	30.4	31.7	31.1	32.4	32.7	33.1	33.9	34.1	34.1	34.2	34.3	34.3	34.3
≥ 1000		25.4	26.7	30.4	31.7	31.1	32.4	32.7	33.1	33.9	34.1	34.1	34.2	34.3	34.3	34.3
≥ 900		25.4	26.7	30.4	31.7	31.1	32.4	32.7	33.1	33.9	34.1	34.1	34.2	34.3	34.3	34.3
≥ 800		25.4	26.7	30.4	31.7	31.1	32.4	32.7	33.1	33.9	34.1	34.1	34.2	34.3	34.3	34.3
≥ 700		25.4	26.7	30.4	31.7	31.1	32.4	32.7	33.1	33.9	34.1	34.1	34.2	34.3	34.3	34.3
≥ 600		25.4	26.7	30.4	31.7	31.1	32.4	32.7	33.1	33.9	34.1	34.1	34.2	34.3	34.3	34.3
≥ 500		25.4	26.7	30.4	31.7	31.1	32.4	32.7	33.1	33.9	34.1	34.1	34.2	34.3	34.3	34.3
≥ 400		25.4	26.7	30.4	31.7	31.1	32.4	32.7	33.1	33.9	34.1	34.1	34.2	34.3	34.3	34.3
≥ 300		25.4	26.7	30.4	31.7	31.1	32.4	32.7	33.1	33.9	34.1	34.1	34.2	34.3	34.3	34.3
≥ 200		25.4	26.7	30.4	31.7	31.1	32.4	32.7	33.1	33.9	34.1	34.1	34.2	34.3	34.3	34.3
≥ 100		25.4	26.7	30.4	31.7	31.1	32.4	32.7	33.1	33.9	34.1	34.1	34.2	34.3	34.3	34.3
≥ U		25.4	26.7	30.4	31.7	31.1	32.4	32.7	33.1	33.9	34.1	34.1	34.2	34.3	34.3	34.3

TOTAL NUMBER OF OBSERVATIONS 932

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
A WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7577 MILDENHALL RAF K
STATION NAME

17-37 YEARS

D.C.
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0-2000
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥0
NO CEILING	2.3	21.3	29.5	29.6	29.6	3.8	31.4	32.3	32.3	32.5	32.5	32.7	32.7	32.7	32.7	33.4
≥ 20000	2.6	27.0	32.4	33.4	33.4	34.7	35.5	36.1	36.3	36.6	36.6	36.8	36.8	37.1	37.7	37.6
≥ 18000	2.5	27.1	32.5	33.5	33.5	34.8	35.6	36.2	36.5	36.7	36.7	36.9	36.9	37.1	37.7	37.7
≥ 16000	2.5	27.1	32.5	33.5	33.5	34.8	35.6	36.2	36.5	36.7	36.7	36.9	36.9	37.1	37.7	37.7
≥ 14000	2.5	27.1	32.5	33.5	33.5	34.8	35.6	36.2	36.5	36.7	36.7	36.9	36.9	37.1	37.7	37.7
≥ 12000	2.5	27.1	32.5	33.5	33.5	34.8	35.6	36.2	36.5	36.7	36.7	36.9	36.9	37.1	37.7	37.7
≥ 10000	2.6	29.3	33.7	34.8	34.8	36.1	36.9	37.5	37.7	38.1	38.0	38.2	38.2	38.4	39.1	39.1
≥ 9000	2.4	29.9	35.5	36.7	36.7	38.0	38.7	39.4	39.6	39.8	39.8	40.0	40.0	40.2	40.9	40.9
≥ 8000	3.1	32.2	38.3	39.9	39.9	41.1	42.0	42.7	42.9	43.1	43.1	43.3	43.3	43.4	43.7	44.3
≥ 7000	1.4	32.2	39.1	4.8	40.8	42.2	42.9	43.5	43.8	44.0	44.0	44.2	44.2	44.3	44.5	45.2
≥ 6000	1.4	32.2	39.2	4.9	40.9	42.3	43.0	43.7	43.9	44.1	44.1	44.3	44.3	44.4	44.6	45.3
≥ 5000	3.2	35.6	42.6	44.2	44.2	45.6	46.8	47.5	47.7	48.1	48.1	48.2	48.3	48.5	49.1	49.1
≥ 4500	1.1	37.1	46.9	48.9	48.9	50.5	51.8	52.6	52.8	53.1	53.1	53.2	53.3	53.5	54.2	54.2
≥ 4000	1.4	43.2	51.1	53.7	52.0	54.7	56.1	56.9	57.4	57.6	57.6	57.8	58.0	58.2	58.8	58.8
≥ 3500	4.1	49.1	56.1	58.4	58.4	60.2	61.5	62.3	62.8	63.0	63.0	63.2	63.3	63.5	64.2	64.2
≥ 3000	0.2	52.1	61.1	63.4	63.7	65.6	67.1	67.8	68.5	68.7	68.8	69.0	69.1	69.4	70.0	70.0
≥ 2500	3.0	55.3	64.7	67.3	67.5	69.7	71.4	72.2	72.8	73.1	73.1	73.3	73.4	73.7	74.3	74.3
≥ 2000	5.1	60.1	70.3	73.4	73.7	75.9	77.6	78.4	79.1	79.2	79.4	79.6	79.7	79.9	80.5	80.5
≥ 1800	5.1	6.6	71.1	74.3	74.8	77.3	79.0	79.8	80.4	80.6	80.8	81.1	81.1	81.3	81.9	81.9
≥ 1500	1.3	64.1	75.1	78.4	78.9	81.4	83.2	84.0	84.6	84.8	84.9	85.3	85.4	85.6	86.2	86.2
≥ 1200	2.3	64.7	77.1	80.5	81.2	84.7	85.8	86.6	87.2	87.4	87.5	87.8	88.0	88.2	88.8	88.8
≥ 1000	2.3	64.9	77.4	81.1	81.7	84.6	86.5	87.2	88.1	88.2	88.3	88.6	88.7	88.9	89.6	89.6
≥ 900	6.2	65.6	78.4	82.2	82.8	85.9	88.0	88.7	89.5	89.8	89.9	90.2	90.3	90.5	91.2	91.2
≥ 800	6.2	65.7	78.8	82.9	83.5	87.2	89.4	90.6	91.4	91.7	91.8	92.2	92.3	92.5	93.1	93.1
≥ 700	3.2	66.2	79.5	83.7	84.4	88.2	90.3	91.1	92.5	92.8	92.9	93.3	93.4	93.7	94.3	94.3
≥ 600	3.2	66.2	79.5	83.7	84.4	88.5	90.6	91.9	92.8	93.1	93.2	93.7	93.8	94.0	94.6	94.6
≥ 500	3.2	66.2	79.5	83.9	84.6	88.7	91.4	92.7	93.7	94.2	94.3	94.7	94.8	95.1	95.7	95.7
≥ 400	3.2	66.2	79.5	83.9	84.7	88.8	91.6	92.9	93.9	94.4	94.5	94.9	95.1	95.3	95.9	95.9
≥ 300	3.2	66.2	79.5	83.9	84.7	89.1	92.0	93.3	94.5	95.4	95.5	96.1	96.3	96.8	96.8	96.8
≥ 200	3.2	66.2	79.5	83.9	84.7	89.1	92.0	93.3	94.5	95.4	95.5	96.1	96.3	96.8	96.9	96.9
≥ 100	3.2	66.2	79.5	83.9	84.7	89.1	92.0	93.3	94.5	95.4	95.5	96.1	96.3	96.8	96.9	96.9
≥ 0	3.2	66.2	79.5	83.9	84.7	89.1	92.0	93.3	94.5	95.4	95.5	96.1	96.3	96.8	96.9	100.0

TOTAL NUMBER OF OBSERVATIONS 531

GLOBAL CLIMATOLOGY BRANCH
 ETAC
 AIR WEATHER SERVICE/MAAC

CEILING VERSUS VISIBILITY

157
 STATION

ILDENHALL RAF K
 STATION NAME

1-62
 YEAR

D-6
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1 0-2370
 HOUR (LT)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10 10	≥9 9	≥8 8	≥7 7	≥6 6	≥5 5	≥4 4	≥3 3	≥2 2	≥1 1	≥0 0	≥10 10	≥9 9	≥8 8	≥7 7	≥6 6
NO CEILING		2.2	25.5	30.2	31.2	31.5	32.8	33.5	33.7	34.1	34.3	34.3	34.7	34.9	35.5	36.7
≥ 20000		25.5	27.1	32.0	33.0	33.4	34.7	35.5	35.6	36.1	36.2	36.2	36.7	37.0	37.5	38.7
≥ 18000		25.5	27.1	32.2	33.1	33.5	34.8	35.6	35.7	36.1	36.3	36.3	36.8	37.1	37.6	38.8
≥ 16000		25.5	27.2	32.2	33.1	33.5	34.8	35.6	35.7	36.1	36.3	36.3	36.8	37.1	37.6	38.8
≥ 14000		2.0	27.3	32.3	33.2	33.7	34.9	35.7	35.8	36.2	36.5	36.5	36.9	37.2	37.7	38.9
≥ 12000		2.1	27.4	32.4	33.3	33.9	35.1	35.8	35.9	36.3	36.6	36.6	37.1	37.3	37.8	39.0
≥ 10000		25.4	29.1	33.0	34.1	34.5	35.8	36.6	36.7	37.1	37.3	37.3	37.7	38.1	38.6	39.8
≥ 9000		2.0	29.6	34.5	35.6	36.0	37.1	38.1	38.2	38.6	38.8	38.8	39.2	39.6	40.1	41.3
≥ 8000		1.3	32.1	37.7	39.2	39.8	41.5	42.3	42.4	42.8	43.0	43.0	43.4	44.0	44.5	45.7
≥ 7000		31.0	33.1	37.2	37.7	4.2	41.9	42.7	42.8	43.2	43.4	43.4	43.9	44.4	44.9	46.1
≥ 6000		31.9	33.2	38.3	39.8	4.3	42.7	42.8	42.9	43.3	43.5	43.5	44.0	44.5	45.1	46.2
≥ 5000		34.4	35.0	41.4	42.9	43.4	45.2	45.9	46.0	46.5	46.7	46.7	47.1	47.6	48.2	49.4
≥ 4500		3.8	40.5	46.8	48.5	49.1	51.2	52.2	52.4	52.8	53.0	53.0	53.4	54.0	54.5	55.7
≥ 4000		41.0	43.8	5.8	52.9	5.1	55.3	56.3	56.6	57.1	57.3	57.3	57.7	58.3	58.8	60.0
≥ 3500		45.0	47.6	55.2	57.0	57.6	59.8	60.9	61.1	61.7	61.8	61.8	62.3	62.8	63.3	64.5
≥ 3000		4.3	5.5	58.8	60.8	61.6	64.7	65.1	65.3	65.8	66.0	66.0	66.5	67.1	67.6	68.8
≥ 2500		50.0	53.1	61.9	63.9	64.7	67.1	68.2	68.4	69.0	69.2	69.2	69.7	70.3	70.9	72.0
≥ 2000		6.6	58.0	67.5	69.8	70.6	73.1	74.2	74.4	75.1	75.3	75.3	75.7	76.3	76.9	78.1
≥ 1800		5.1	58.5	69.2	70.9	71.4	74.0	75.1	75.3	75.9	76.1	76.1	76.6	77.2	77.7	78.9
≥ 1500		6.5	63.1	73.8	76.5	77.3	8.1	81.2	81.0	82.0	82.3	82.3	82.7	83.3	83.9	85.1
≥ 1200		51.8	64.5	75.8	78.5	79.4	82.8	83.8	84.0	84.6	84.8	84.8	85.3	85.9	86.5	87.6
≥ 1000		62.5	65.2	77.3	80.1	81.2	84.5	85.7	86.0	86.8	87.0	87.0	87.4	88.1	88.6	89.8
≥ 900		2.0	65.2	77.3	80.1	81.2	84.5	85.8	86.1	86.9	87.1	87.1	87.5	88.2	88.7	89.9
≥ 800		62.3	65.5	78.5	81.8	83.0	86.5	87.7	88.1	89.0	89.2	89.2	89.7	90.3	90.9	92.0
≥ 700		62.3	65.8	79.7	82.5	83.8	87.2	88.5	88.9	90.0	90.2	90.2	90.6	91.3	91.8	93.0
≥ 600		62.8	65.8	79.0	82.6	84.1	87.8	89.2	89.7	90.8	91.0	91.0	91.4	92.0	92.6	93.8
≥ 500		62.8	65.8	79.0	82.6	84.1	87.8	89.5	90.1	91.2	91.4	91.4	91.9	92.6	93.1	94.4
≥ 400		62.8	65.8	79.0	82.6	84.3	88.5	90.2	90.9	92.0	92.3	92.3	92.8	93.4	94.0	95.3
≥ 300		62.8	65.8	79.0	82.6	84.3	88.5	90.4	91.2	92.8	93.1	93.1	93.7	94.3	94.8	96.5
≥ 200		62.8	65.8	79.0	82.6	84.3	88.5	90.4	91.2	93.1	93.4	93.4	94.3	95.2	96.2	99.1
≥ 100		62.8	65.8	79.0	82.6	84.3	88.5	90.4	91.2	93.1	93.4	93.4	94.3	95.2	96.6	99.7
≥ 0		62.8	65.8	79.0	82.6	84.3	88.5	90.4	91.2	93.1	93.4	93.4	94.3	95.2	96.6	100.0

TOTAL NUMBER OF OBSERVATIONS 237

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1577 ILDEHALL RAF K
STATION

1-67

YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1-1
HOURS TEST

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)																		
	≥10 MI	≥9 MI	≥8 MI	≥7 MI	≥6 MI	≥5 MI	≥4 MI	≥3 MI	≥2 MI	≥1 MI	≥1 MI	≥1 MI	≥1 MI	≥1 MI	≥1 MI	≥1 MI	≥1 MI	≥1 MI	≥1 MI
≥20000	22.0	23.4	26.6	27.5	27.6	29.0	29.2	30.2	30.5	30.6	30.6	30.8	30.9	31.0	31.5	31.5	31.5	31.5	31.5
≥18000	25.0	26.9	30.5	31.4	31.5	33.0	33.8	34.3	34.6	34.8	34.8	35.0	35.1	35.3	35.7	35.7	35.7	35.7	35.7
≥16000	25.0	26.9	30.5	31.4	31.5	33.0	33.8	34.3	34.6	34.8	34.8	35.0	35.1	35.3	35.7	35.7	35.7	35.7	35.7
≥14000	25.0	26.9	30.5	31.4	31.5	33.0	33.8	34.3	34.6	34.8	34.8	35.0	35.1	35.3	35.7	35.7	35.7	35.7	35.7
≥12000	25.0	26.9	30.5	31.4	31.5	33.0	33.8	34.3	34.6	34.8	34.8	35.0	35.1	35.3	35.7	35.7	35.7	35.7	35.7
≥10000	25.0	26.9	30.5	31.4	31.5	33.0	33.8	34.3	34.6	34.8	34.8	35.0	35.1	35.3	35.7	35.7	35.7	35.7	35.7
≥9000	25.0	26.9	30.5	31.4	31.5	33.0	33.8	34.3	34.6	34.8	34.8	35.0	35.1	35.3	35.7	35.7	35.7	35.7	35.7
≥8000	25.0	26.9	30.5	31.4	31.5	33.0	33.8	34.3	34.6	34.8	34.8	35.0	35.1	35.3	35.7	35.7	35.7	35.7	35.7
≥7000	25.0	26.9	30.5	31.4	31.5	33.0	33.8	34.3	34.6	34.8	34.8	35.0	35.1	35.3	35.7	35.7	35.7	35.7	35.7
≥6000	25.0	26.9	30.5	31.4	31.5	33.0	33.8	34.3	34.6	34.8	34.8	35.0	35.1	35.3	35.7	35.7	35.7	35.7	35.7
≥5000	25.0	26.9	30.5	31.4	31.5	33.0	33.8	34.3	34.6	34.8	34.8	35.0	35.1	35.3	35.7	35.7	35.7	35.7	35.7
≥4500	25.0	26.9	30.5	31.4	31.5	33.0	33.8	34.3	34.6	34.8	34.8	35.0	35.1	35.3	35.7	35.7	35.7	35.7	35.7
≥4000	25.0	26.9	30.5	31.4	31.5	33.0	33.8	34.3	34.6	34.8	34.8	35.0	35.1	35.3	35.7	35.7	35.7	35.7	35.7
≥3500	25.0	26.9	30.5	31.4	31.5	33.0	33.8	34.3	34.6	34.8	34.8	35.0	35.1	35.3	35.7	35.7	35.7	35.7	35.7
≥3000	25.0	26.9	30.5	31.4	31.5	33.0	33.8	34.3	34.6	34.8	34.8	35.0	35.1	35.3	35.7	35.7	35.7	35.7	35.7
≥2500	25.0	26.9	30.5	31.4	31.5	33.0	33.8	34.3	34.6	34.8	34.8	35.0	35.1	35.3	35.7	35.7	35.7	35.7	35.7
≥2000	25.0	26.9	30.5	31.4	31.5	33.0	33.8	34.3	34.6	34.8	34.8	35.0	35.1	35.3	35.7	35.7	35.7	35.7	35.7
≥1800	25.0	26.9	30.5	31.4	31.5	33.0	33.8	34.3	34.6	34.8	34.8	35.0	35.1	35.3	35.7	35.7	35.7	35.7	35.7
≥1600	25.0	26.9	30.5	31.4	31.5	33.0	33.8	34.3	34.6	34.8	34.8	35.0	35.1	35.3	35.7	35.7	35.7	35.7	35.7
≥1400	25.0	26.9	30.5	31.4	31.5	33.0	33.8	34.3	34.6	34.8	34.8	35.0	35.1	35.3	35.7	35.7	35.7	35.7	35.7
≥1200	25.0	26.9	30.5	31.4	31.5	33.0	33.8	34.3	34.6	34.8	34.8	35.0	35.1	35.3	35.7	35.7	35.7	35.7	35.7
≥1000	25.0	26.9	30.5	31.4	31.5	33.0	33.8	34.3	34.6	34.8	34.8	35.0	35.1	35.3	35.7	35.7	35.7	35.7	35.7
≥900	25.0	26.9	30.5	31.4	31.5	33.0	33.8	34.3	34.6	34.8	34.8	35.0	35.1	35.3	35.7	35.7	35.7	35.7	35.7
≥800	25.0	26.9	30.5	31.4	31.5	33.0	33.8	34.3	34.6	34.8	34.8	35.0	35.1	35.3	35.7	35.7	35.7	35.7	35.7
≥700	25.0	26.9	30.5	31.4	31.5	33.0	33.8	34.3	34.6	34.8	34.8	35.0	35.1	35.3	35.7	35.7	35.7	35.7	35.7
≥600	25.0	26.9	30.5	31.4	31.5	33.0	33.8	34.3	34.6	34.8	34.8	35.0	35.1	35.3	35.7	35.7	35.7	35.7	35.7
≥500	25.0	26.9	30.5	31.4	31.5	33.0	33.8	34.3	34.6	34.8	34.8	35.0	35.1	35.3	35.7	35.7	35.7	35.7	35.7
≥400	25.0	26.9	30.5	31.4	31.5	33.0	33.8	34.3	34.6	34.8	34.8	35.0	35.1	35.3	35.7	35.7	35.7	35.7	35.7
≥300	25.0	26.9	30.5	31.4	31.5	33.0	33.8	34.3	34.6	34.8	34.8	35.0	35.1	35.3	35.7	35.7	35.7	35.7	35.7
≥200	25.0	26.9	30.5	31.4	31.5	33.0	33.8	34.3	34.6	34.8	34.8	35.0	35.1	35.3	35.7	35.7	35.7	35.7	35.7
≥100	25.0	26.9	30.5	31.4	31.5	33.0	33.8	34.3	34.6	34.8	34.8	35.0	35.1	35.3	35.7	35.7	35.7	35.7	35.7
≥0	25.0	26.9	30.5	31.4	31.5	33.0	33.8	34.3	34.6	34.8	34.8	35.0	35.1	35.3	35.7	35.7	35.7	35.7	35.7

TOTAL NUMBER OF OBSERVATIONS 7440

GLOBAL CLIMATOLOGY BRANCH
 ETAC
 AND WEATHER SERVICE PAC

CEILING VERSUS VISIBILITY

STATION: ILDENHALL RAF, K
 STATION NAME:

1-87

YEARS

ALL
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

ALL
 HOURS 1-24

CEILING FEET	VISIBILITY (STATUTE MILES) OR (HUNDREDS OF METERS)															
	≥10 MI	≥6 MI	≥5 MI	≥4 MI	≥3 MI	≥2 MI	≥2 MI	≥1 MI	≥1 MI	≥1 MI	≥1 MI	≥1 MI	≥1 MI	≥1 MI	≥1 MI	≥1 MI
NO CEILING		28.1	37.9	31.7	3.9	32.9	33.5	33.7	33.9	34.0	34.1	34.1	34.2	34.3	34.6	
≥20000	31.1	33.1	36.5	37.4	37.6	38.7	39.4	39.6	39.9	40.3	40.0	40.1	40.2	40.3	40.6	
≥18000	31.1	33.3	36.6	37.5	37.7	38.9	39.5	39.8	4.1	40.1	40.2	40.3	40.4	40.5	40.7	
≥16000	32.0	33.3	36.6	37.6	37.7	38.9	39.5	39.8	4.1	40.1	40.2	40.3	40.4	40.5	40.7	
≥14000	32.0	33.4	36.7	37.7	37.8	39.0	39.7	39.9	40.2	40.3	40.3	40.4	40.5	40.6	40.9	
≥12000	32.3	33.7	37.1	38.1	38.1	39.3	40.0	40.2	40.5	40.6	40.6	40.7	40.8	40.9	41.2	
≥10000	33.1	35.3	38.8	39.8	4.1	41.2	41.9	42.1	42.4	42.1	42.6	42.7	42.8	42.9	43.1	
≥9000	34.1	36.7	39.8	4.8	41.1	42.2	43.1	43.2	43.5	43.6	43.7	43.7	43.8	44.0	44.2	
≥8000	3.4	35.9	43.9	45.7	45.2	46.9	47.3	47.6	47.9	48.1	48.1	48.1	48.3	48.4	48.6	
≥7000	3.1	40.3	45.0	46.1	46.3	47.7	48.4	48.7	49.1	49.2	49.2	49.3	49.4	49.6	49.8	
≥6000	7.3	41.1	45.2	46.4	46.6	48.0	48.7	49.0	49.4	49.5	49.5	49.6	49.7	49.8	50.1	
≥5000	41.1	43.4	47.7	48.9	49.1	5.9	51.4	51.7	52.0	52.1	52.2	52.3	52.4	52.5	52.8	
≥4500	45.1	47.7	52.4	53.7	53.9	55.4	56.3	56.7	57.1	57.2	57.2	57.3	57.4	57.6	57.8	
≥4000	51.1	53.9	59.1	60.5	60.8	62.5	63.5	63.8	64.3	64.4	64.5	64.6	64.7	64.8	65.1	
≥3500	55.1	58.1	63.6	65.2	65.4	67.3	68.3	68.7	69.2	69.3	69.4	69.5	69.6	69.8	7.0	
≥3000	7.1	63.1	69.2	7.9	71.2	73.3	74.3	74.7	75.2	75.4	75.5	75.6	75.7	75.8	76.1	
≥2500	3.4	66.1	72.4	74.2	74.5	76.5	77.8	78.2	78.8	78.9	7.0	79.1	79.2	79.4	79.6	
≥2000	6.1	69.5	76.6	78.5	78.8	81.1	82.3	82.8	83.4	83.5	81.6	83.7	83.9	84.0	84.3	
≥1800	6.2	70.0	77.1	79.0	79.4	81.6	82.9	83.4	84.1	84.1	84.2	84.3	84.5	84.6	84.9	
≥1500	6.1	72.2	79.9	82.0	82.4	84.7	86.2	86.7	87.3	87.5	87.6	87.7	87.8	88.1	88.2	
≥1200	5.1	73.6	81.8	84.1	84.5	87.1	88.6	89.2	89.8	90.0	90.1	90.2	90.4	90.5	90.8	
≥1000	11.1	74.3	82.9	85.2	85.6	88.4	90.1	90.6	91.3	91.5	91.6	91.7	91.9	92.0	92.3	
≥900	11.3	74.6	83.3	85.7	86.1	88.9	90.7	91.3	92.1	92.2	92.3	92.4	92.6	92.7	93.0	
≥800	11.6	74.9	83.9	86.4	86.8	89.8	91.6	92.3	93.1	93.3	93.4	93.5	93.6	93.8	94.1	
≥700	1.4	75.1	84.3	86.9	87.4	90.5	92.5	93.2	94.0	94.2	94.4	94.5	94.6	94.8	95.1	
≥600	1.8	75.2	84.5	87.1	87.7	91.0	93.1	93.9	94.8	95.0	95.1	95.3	95.4	95.6	95.9	
≥500	11.7	75.3	84.7	87.5	88.1	91.5	93.8	94.6	95.6	95.9	96.0	96.2	96.3	96.5	96.8	
≥400	11.9	75.3	84.8	87.6	88.1	91.7	94.2	95.1	96.2	96.5	96.7	96.8	97.0	97.1	97.4	
≥300	11.9	75.3	84.8	87.7	88.2	91.8	94.4	95.4	96.7	97.1	97.2	97.4	97.7	97.9	98.3	
≥200	11.9	75.3	84.8	87.7	88.2	91.8	94.5	95.5	96.9	97.2	97.5	97.8	98.2	98.5	99.1	
≥100	11.9	75.3	84.8	87.7	88.2	91.8	94.5	95.5	97.0	97.3	97.6	97.9	98.4	98.8	99.3	
≥0	11.9	75.3	84.8	87.7	88.2	91.8	94.5	95.5	97.0	97.3	97.6	97.9	98.4	98.9	100.0	

TOTAL NUMBER OF OBSERVATIONS 87697

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:

- a. Daily maximum temperatures
- b. Daily minimum temperatures
- c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:

- a. Extreme maximum temperature
- b. Extreme minimum temperature

NOTE: The following symbols are used in the extreme data blocks:

- (1) * indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

Values for means and standard deviations do not include measurements for incomplete months.

Continued on Reverse

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature.
This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

- a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σ_x). The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

2
1

NATIONAL CLIMATOLOGY BRANCH
 WEATHER SERVICE/MAC
 WILSONHALL 945 14
 STATION STATION NAME

54, 56-83 YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP °F.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
90						.1							.1
89						.4							.4
88						1.6	.7	.5					.5
87						5.4	2.3	1.5	.1				1.8
86						14.3	8.0	5.0	1.1				6.0
85			.2	4.4	13.1	24.6	20.2	6.6					14.9
84			1.7	13.1	28.5	34.1	51.1	22.9	3.9				27.8
83			4.2	28.5	62.3	78.4	91.9	53.9	14.4	.3			42.1
82			5.6	19.4	57.1	88.1	97.5	98.1	87.4	4.1	3.7	.3	55.4
81		1.9	5.0	22.5	46.6	83.6	98.1	99.8	98.5	74.3	2.4	6.1	71.8
80	1.1	24.0	51.8	76.7	97.1	99.9	100.0	100.0	94.1	52.5	26.1		83.1
79	44.5	45.0	76.4	94.8	99.9	100.0			99.5	80.6	48.9		92.3
78	68.0	75.8	92.9	99.6	100.0				100.0	94.6	74.8		98.1
77	85.8	95.2	99.4	100.0						99.2	93.5		99.8
76	99.4	99.9	100.0							99.8	99.6		100.0
75	99.6	100.0								100.0	100.0		100.0
74	99.9												100.0
73	100.0												100.0
72													
71													
70													
69													
68													
67													
66													
65													
64													
63													
62													
61													
60													
59													
58													
57													
56													
55													
54													
53													
52													
51													
50													
49													
48													
47													
46													
45													
44													
43													
42													
41													
40													
39													
38													
37													
36													
35													
34													
33													
32													
31													
30													
29													
28													
27													
26													
25													
24													
23													
22													
21													
20													
19													
18													
17													
16													
15													
14													
13													
12													
11													
10													
9													
8													
7													
6													
5													
4													
3													
2													
1													
0													
MEAN	43.3	44.5	49.5	54.3	61.2	67.2	77.2	69.8	65.6	58.3	49.5	44.5	56.5
S D	6.789	6.259	6.614	6.468	6.966	6.929	6.508	5.836	5.553	5.906	5.905	6.575	11.689
TOTAL OBS	961	875	961	935	937	930	979	1015	979	984	960	961	11472

FEDERAL CLIMATOLOGY BRANCH
 AFMPC
 AIR WEATHER SERVICE/MAC
 15-71 HILDENHALL RAF UK
 STATION STATION NAME

DAILY TEMPERATURES

PC-54, 56-83

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM DAILY OBSERVATIONS)

MINIMUM

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
5						2.4	11.4	9.9	3.8	.7			2.4
10					2.1	27.2	46.7	43.1	21.3	6.6	1.7	.1	12.0
15		.8		3.9	19.5	56.3	83.5	79.2	54.9	26.7	5.9	1.7	28.4
20	7.4	6.1	7.1	16.7	53.6	87.1	97.3	97.5	81.9	52.6	27.7	10.6	45.5
25	22.5	13.1	26.4	47.1	82.0	97.3	100.0	100.0	95.6	77.5	46.5	25.9	62.2
30	51.7	47.2	65.3	79.5	96.5	99.5			99.8	93.0	72.4	56.1	90.4
35	61.1	62.5	76.7	89.7	98.6	99.8			99.9	97.1	87.8	68.1	86.5
40	78.9	81.3	88.7	97.3	100.0	100.0				99.6	97.4	90.0	93.1
45	90.5	93.7	97.0	99.9					100.0	100.0	97.8	91.4	97.6
50	96.7	98.3	99.6	100.0							99.7	97.4	99.3
55	98.8	99.5	100.0								100.0	99.6	99.8
60	99.8	100.0										99.9	100.0
65	100.0											100.0	100.0
70													
75													
80													
85													
90													
95													
100													
MEAN	34.3	34.2	36.4	39.9	44.7	50.0	53.7	53.3	49.8	44.9	38.8	35.2	42.9
S D	7.395	6.247	5.810	5.499	5.243	5.020	4.572	4.632	5.617	6.549	6.955	7.366	9.323
TOTAL OBS	951	575	961	930	937	930	979	1015	979	984	960	961	11472

USAFETAC FORM 0-21.5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

JOURNAL CLIMATOLOGY BRANCH
 AFMSTAC
 AIR WEATHER SERVICE/MAC
 75771 WILDMHALL RAF LK
 STATION STATION NAME

DAILY TEMPERATURES

C-54, 56-83
 YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM DAILY OBSERVATIONS)

MEAN

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
5					.1	2.8	7.8	5.1	1.6	.1			1.4
10					2.2	11.8	10.2	25.8	8.6	1.2			6.9
15					10.2	43.4	70.1	63.1	37.3	9.3			27.6
20					39.5	97.5	95.4	97.3	74.4	32.1	3.9		36.8
25	5.2	5.4	12.2	31.5	75.0	98.1	100.0	100.0	96.7	65.0	20.3	7.8	52.0
30	22.7	22.3	41.5	67.3	95.7	99.8			99.9	97.5	57.6	27.5	68.6
35	40.6	48.9	75.0	92.7	99.7	100.0			100.0	99.1	78.6	54.6	83.5
40	74.5	81.0	94.5	99.8	100.0					100.0	95.1	79.4	93.8
45	91.1	96.8	99.6	100.0							99.1	94.0	98.4
50	98.0	99.2	100.0								99.9	99.3	99.7
55	99.6	100.0									100.0	100.0	100.0
60	99.9												100.0
65	100.0												100.0
MEAN	35.1	35.7	43.2	47.1	53.2	58.8	62.2	61.8	57.9	51.8	46.4	40.1	49.9
S D	6.408	5.872	5.453	5.227	5.357	5.127	4.832	4.345	4.812	5.593	6.044	6.626	10.102
TOTAL OBS.	561	875	961	930	937	930	979	1015	979	984	960	961	11472

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

EXTREME VALUES

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

1971 WILDENHALL RAF UK 50-54, 56-83 YEARS

WOLF DEGREE FAHRENHEIT

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
YEAR													
1971	52	51	57	72	75	74	73	81	71	71	58	51	79
1972	51	53	59	75	79	86	97	77	71	59	55	51	87
1973	55	57	69	63	93	77	81	92	77	71	57	58	97
1974	59	55	61	61	97	75	70	81	83				
1975	51	56	67	64	71	81	82	72*	76*	62	55	57	
1976	51	56	67	64	71	81	82	78	68	66	55	56	97
1977	55	58	59	72	75	76	93	78	79	64	55	54	83
1978	51	52	67	69	77	82	91	83	82	78	59	55	91
1979	54	52	58	62*	77	85	72	75	73	65	61	54	85
1980	51	61	69	66	73	81	90	84	82	70	58	58	97
1981	54	56	57	68	65	76	75	75	76	68	58	56	76
1982	41	43	59	66	79	81	79	74	73	69	58	50	87
1983	52	57	55	68	81	75	79	91	77	72	58	59	91
1984	53	49	72	53*	67	73	72	74	71	73	59	57	74
1985	54	57	55	59	79	76	74	81	74	69	51	55	81
1986	51	56	66	71*	79	79	84	79	76	69	61	53	84
1987	51	47	77	79	74	81	89	81	72	70	61	54	88
1988	51	53	58	72	79	78	91	85	76	77	67	54	90
1989	51	54	61	53	77	86	88	85	81	74	65	54	88
1990	54	54	56	72	74	74	85	79	76	74	61	58	85
1991	51	50	55	59	67	70	79	76	74	74	61	59	79
1992	51	53	66	62	71	77	80	93	87	71	60	55	93
1993	53	57	64	71	77	75	80	78	71	55	57	60	80
1994	51	55	55	66	71	82	86	91	73	64	57	55	91
1995	53	59	62	64	92	95	93	84	75	68	53	48	95
1996	53	53	62	64	75	79	92	78	75	69	62	60	82
1997	43	53	62	59	78	80	75	75	77	75	64	57	80
1998	44	46	57	69	78	73	80	75	79	70	59	61	80
1999	52	55	57	72	73	81	79	81	77	66	59	55	81
MEAN													
S.D.													
TOTAL OBS.													

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-884 (OLA)

8 (AT LEAST ONE DAY LESS THAN 24 OBS)

(FROM DAILY OBSERVATIONS)

20-34, 56-37 YEARS

[illegible]

NOTES * (BASED ON LESS THAN FULL MONTHS)

LEAF ETAC FORM 0-55-5 (OLA)

~~N (AT LEAST ONE DAY LESS THAN 24 OBS)~~

NATIONAL CLIMATOLOGY BRANCH
 WAFBETAC
 AIR WEATHER SERVICE/MAC

EXTREME VALUES

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

STATION WILSONHALL PARK STATION NAME 11-74, 56-31 YEARS

WILSONHALL PARK

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
50							49	45	43	38	24	22	
51	21	27	24	28	32	41	42	43	41	26	29	21	21
52	16	24	22	26	34	33	44	45	33	23	20	22	16
53	19	19	25	29	33	41	47	44	42	32	29	27	19
54		13	22	27	36	46	43	45	37				
55							*	45*	51*	34	22	28	
56	21	28	31	39	37	46	46	46	36	35	28		27
57	22	25	19	24	36	42	46	47	37	33	28	26	18
58	19	19	34	36	33	40	47	45	47	34	23	29	27
59	22	24	31	32*	39	42	45	43	40	34	31	29	22
60	21	33	29	31	35	38	41	44	42	30	26	13	13
61	12	27	33	37	30	31	42	44	38	11	22	9	9
62		11	24	28	33	47	4	46	47	37	28	16	5
63	17	18	25	31	44	44	42	46	39	31	26	16	15
64	21	26	17	31*	25	42	42	46	40	31	20	18	17
65	17	26	23	29	33	32	41	42	41	34	27	22	15
66	11	26	29	26*	32	39	49	42	39	39	24	22	18
67	17	24	23	26	37	46	46	46	41	41	30	21	15
68	10	16	21	28	35	37	47	41	28	39	19	24	16
69	17	24	19	28	42	44	47	42	44	34	31	24	17
70	23	24	23	30	30	44	42	44	39	35	26	32	23
71	11	31	17	33	33	35	46	42	37	32	30	23	21
72	23	23	3	30	35	37	44	46	39	30	21	17	17
73	11	32	23	35	37	39	46	42	35	30	28	33	28
74	17	26	24	29	32	33	44	46	39	33	26	24	24
75	17	30	26	30	35	46	48	44	42	37	32	26	17
76	24	28	23	28	35	42	44	46	39	37	30	22	24
77	24	19	37	26	37	41	46	46	42	35	17	21	17
78	17	24	26	37	30	42	42	42	36	30	27	28	12
79	25	32	23	32	34	45	45	41	46	32	25	19	19
MEAN													
S.D.													
TOTAL OBS.													

NOTES * (BASED ON LESS THAN FULL MONTHS)

WAFB ETAC 11-74 56-31 (OLA)

1 (AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH
CLIMATAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

1971	ILDENHALL RAF UK
STATION	STATION NAME

15-34, 56-87 YEARS

WALT DEGREES FAHRENHEIT

[illegible]

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 9-69-6 (OLA)

~~IN AT LEAST ONE DAY LESS THAN 24 OBS)~~

PSYCHROMETRIC SUMMARY

WILDENHALL RAF UK
STATION NAME

4-87

YEARS

_____ MONTH

PAGE 1 0000-0200
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
DEPTAC
AIR - E THER SERVICE/PAC

PSYCHROMETRIC SUMMARY

577	MILDENHALL RAF UK
STATION	STATION NAME

74-93

YEARS

JAN
MONTH

PAGE 1 0300-0500
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW-WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

15771	MILDENHALL RAF UK
STATION	STATION NAME

24-83

YEARS

J. A. Si

PAGE 7 0600-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	Dry Bulb	Wet Bulb	Dew Point					
1 / 57			.7	.1	.1													5	5						
5 / 55			.1	.1														2	2						
14 / 53			1.1	.1														15	15	3					
27 / 51		.2	3.1	.2														33	33	3	3				
47 / 49		.3	2.2	.3														26	26	27					
57 / 47		1.4	4.2	.3														55	55	47	6				
67 / 45		3.4	6.0	.2														98	98	57	24				
147 / 43	.1	2.3	3.4	.2														66	66	82	59				
27 / 41		5.4	5.7	.3														166	166	73	79				
47 / 39	.2	6.3	3.2	.4														95	95	77	89				
57 / 37	1.5	3.7	4.2															87	87	116	72				
77 / 35	.1	5.7	3.7	.2														9	9	83	74				
37 / 33	.6	4.7	1.8															67	67	138	94				
47 / 31	.1	2.4	.3															7	30	52	68				
17 / 29		4.4	1.6	.1														57	57	36	82				
27 / 27		3.2	.9															44	44	58	95				
77 / 25	.3	1.4	.6															22	22	35	44				
27 / 23	.1	.0	.1															10	10	20	40				
27 / 21		.3																3	3	10	27				
27 / 19	.3	1.1																12	12	7	18				
77 / 17		.4																4	4	11	6				
17 / 15		.2																3	3	8	16				
47 / 13																				1	14				
17 / 11																					5				
17 / 9																					8				
17 / 5																					1				
TOTAL	3.4	43.5	43.2	3.1	.1													930		930	930				

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	5879108	73512	79.3	8.577	930	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total
Dry Bulb	1453795	36067	38.8	7.698	930		18.5					93
Wet Bulb	1282524	33949	36.4	7.255	930		23.9					93
Dew Point	1054556	31826	32.7	7.078	930		43.7					

GLOBAL CLIMATOLOGY BRANCH
JAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

5771	WILDENHALL RAF UK
STATION	STATION NAME

74-83

YEARS

JAN
MONTH

PAGE 1 7900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point												
7 60																			2	2												
7 57																			3	3												
7 55																			17	17	2											
7 53																			21	21	1											
7 51																			41	41	8											
7 49																			36	36	19											
7 47																			61	61	62											
7 45																			111	111	72											
7 43																			98	98	81											
7 41																			75	75	78											
7 39																			107	107	100											
7 37																			76	76	115											
7 35																			83	83	73											
7 33																			73	73	120											
7 31																			39	39	60											
7 29																			38	38	40											
7 27																			35	35	34											
7 25																			12	12	36											
7 23																			6	6	13											
7 21																			3	3	7											
7 19																			5	5	4											
7 17																			3	3	5											
7 15																					2											
7 13																					12											
7 11																					5											
7																					3											
TOTAL	3.2	42.7	46.4	7.1	.1														929		929											

Element (X)	Σ X ¹	Σ X	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	5697661	72265	77.8	9.68	929	≤ 6 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	1553817	37369	47.2	7.388	929		13.2					93
Wet Bulb	1354583	34891	37.6	6.898	929		19.8					93
Dew Point	1107688	31303	33.7	7.556	929		38.4					93

PSYCHROMETRIC SUMMARY

7571
STATION

MILDENHALL RAF UK

74-33

JAN

PAGE 1 1500-1700
HOURS (L.S.T.)

[illegible]

2

YEARS MONTH

74-83

YEARS

PAGE 1 1830-2000
HOURS (G.S.T.)

FORM NO. 10-60 (REV. 1-60)
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

75771	WILDENHALL RAF UK
STATION	STATION NAME

74-83

YEARS

JAN
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

[illegible]

2

1

74-83

YEARS

FEB
MONTH

1

USAFETAC FORM 0-26-5 (OLA)
MAY 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

15771	MILDENHALL RAF UK
STATION	STATION NAME

74-93

YEARS

FEB
MONTH

PAGE 1 ~~0300-0500~~
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
ISAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

15771	WILDENHALL RAF UK
STATION	STATION NAME

74-83

YEARS

FEB

MONTH

PAGE 1 2600-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
66 / 53			.7															6	6					
67 / 51		.2	.5															6	6					
68 / 49		.2	.9	.5														14	14	8				
69 / 47	.7	2.1	2.4	.6														46	46	19	7			
70 / 45		2.6	4.1	.6														62	62	33	18			
71 / 43		5.2	2.7	.5														71	71	53	19			
72 / 41		6.9	2.6	.1														81	81	88	45			
73 / 39	.6	7.8	2.5	.6														97	97	73	93			
74 / 37	.9	5.2	5.2	.1														78	78	90	85			
75 / 35	.4	4.7	4.7	.9														91	91	56	64			
76 / 33	.7	6.5	5.6	.2														110	110	121	58			
77 / 31	.4	3.5	.7															41	41	124	37			
78 / 29	.1	5.2	1.5															58	58	52	78			
79 / 27	1.2	5.4	.6															61	61	64	137			
80 / 25	.5	1.2																14	14	46	89			
81 / 23		.4																3	3	10	33			
82 / 21	.7																	6	6	9	31			
83 / 19	.1																	1	1	1	29			
84 / 17																					18			
85 / 15																					5			
TOTAL	5.6	54.8	35.7	4.4														646	346	846	846			

2

1

YEARS

FEB
MONTH

PAGE 1 ~~SECRET~~

0-26-5 (OL A)
SERVED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
LASETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

15771	HILDENHALL RAF UK
STATION	STATION NAME

74-83

YEARS

FFB

PAGE 1 1200-1400
HOURS (L. S. T.)

[illegible]

4/5

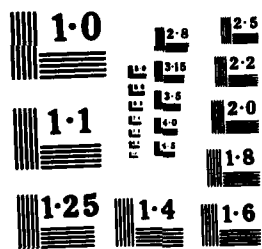
UNCLASSIFIED

USAFETAC/DS 84/016 SBI-AD-E850 742

F/G 4/2

NI

[illegible]



2

PSYCHROMETRIC SUMMARY

74-83

FEB
MONTH

PAGE 1 1890-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
1 / 55			.1	.3														2	2			
4 / 53			.2	1.1														19	19			
7 / 51		.1	1.2	.4														20	20	1		
10 / 49		.6	1.4	1.3														28	29	22		
13 / 47	.1	3.3	2.7	.9														60	60	35	11	
16 / 45	.1	5.8	7.1	1.5														123	123	69	41	
19 / 43	.1	4.3	3.3	1.7														77	77	86	39	
22 / 41		3.5	4.1	1.5														77	77	78	76	
25 / 39	.2	6.1	4.3	.5														94	94	66	81	
28 / 37	.6	3.3	5.1	.4														78	78	100	68	
31 / 35	.5	3.5	6.1	1.8														100	100	81	69	
34 / 33	.4	3.4	5.4	.7														84	84	104	77	
37 / 31		3.1	.9	.1														35	35	98	34	
40 / 29		2.4	1.2															30	30	64	80	
43 / 27		2.1																18	18	25	116	
46 / 25		.1																1	1	16	73	
49 / 23																				1	31	
52 / 21																					22	
55 / 19																					14	
58 / 17																					14	
TOTAL	0.141.5	44.6	11.9															846	846	846	846	

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

USAFETAC

2

2

74-83

YEARS

 MAR
MONTH

PAGE 1 ~~3030-0200~~
HOURS (G.I.)

0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

(

MAR
MONTH

(

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

5

74-83

YEARS

M.A.C.
NORTH

PAGE 1 ~~C600-0800~~
~~NOV 11 1964~~

0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

75771 MILDENHALL RAF UK

74-83

MAR

STATION

STATION NAME

YEARS

MONTI

PAGE 1

0900-1100
MORNING (10:30-11:00)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
62/62																		1		1															
61/59																		2		2															
60/57																		5		5															
59/55																		18		18															
58/53																		53		53															
57/51																		68		68															
56/49																		55		55															
55/47																		92		92															
54/45																		206		206															
47/43																		124		124															
42/41																		107		107															
41/39																		67		67															
37/37																		60		60															
35/35																		37		37															
34/33																		14		14															
33/31																																			
32/29																																			
31/27																																			
30/25																																			
29/23																																			
27/21																																			
27/19																																			
TOTAL	1.5	2.9	7.4	4.0	18.1	5.3	.8											929		929		929													

2

11

74-83

YEARS

MENTAL

PAGE 1 ~~127C-1440~~
~~hours (C. S. T.)~~

[illegible]

RECEIVED REVEREND EDITOR OF THIS PAPER AND OBSOLETE

0-26-5 (OL A)

1000

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

MAR
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

PSYCHROMETRIC SUMMARY

15771	MILDENHALL RAF UK
STATION	STATION NAME

74-83

YEARS

MAP
MONTH

PAGE 1

2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	vib	Wet Bulb	Dew Point					
1 / 55																					1				
2 / 53																					21				
3 / 51			.2	1.7	.3																4	11	2		
4 / 49		.1	1.5	1.6	.4	.2															38	35	3		
5 / 47			1.2	3.1	1.2																70	53	22		
6 / 45		.4	4.9	8.7	1.4	.6															143	60	65		
7 / 43		.2	4.8	7.1	2.5	.1															132	93	47		
8 / 41			6.3	4.2	2.3																124	109	71		
9 / 39		.2	7.8	4.9	.6																127	123	101		
10 / 37		.6	3.7	5.2	.1																89	144	108		
11 / 35			2.6	4.2	.6																69	106	88		
12 / 33			2.2	3.7	.3																51	100	113		
13 / 31			1.7	.6	.1																16	49	40		
14 / 29			1.7	.2																	11	34	69		
15 / 27																						13	111		
16 / 25																							40		
17 / 23																							21		
18 / 21																							15		
19 / 19																							2		
20 / 17																							3		
TOTAL	1.5	39.9	46.0	17.4	1.7																930	930	930		
																							</		

GLOBAL CLIMATOLOGY BRANCH
C/NETAC
AT WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1271	WILDERHALL RAE 18
STATION	STATION NAME

-4-83

YEARS

MA
MONTH

PAGE 4

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
47 60									.1									11	11																	
47 51							.1	.1	.1	.1								26	26																	
47 42					.1	.1	.1	.1	.1	.1								34	34																	
47 33			.1	.1	.1	.1	.1	.1	.1	.1								43	43	2																
47 24		.1	.4	.4	.4	.1	.1											154	155	6																
47 15		.3	1.6	1.1	.7	.1	.1											298	298	43	2															
47 06	.1	.9	2.8	1.7	.6	.1												414	414	155	20															
47 00	.1	.9	2.2	1.3	.5	.2												363	363	335	47															
47 00	.1	.5	3.1	1.8	.9	.2	.1											649	649	500	185															
47 41	.1	.5	3.6	2.6	1.3	.3												1221	1221	657	479															
47 43	.1	.4	5.4	1.9	.4	.1												882	882	600	445															
47 41	.1	.6	2.4	1.3	.2	.1												915	915	965	674															
47 38	.1	.5	3.9	1.1	.1													810	810	976	813															
47 32	.7	3.6	3.5	.7														628	628	1001	789															
47 35	.7	2.5	2.2	.4														453	453	733	845															
47 23	.1	1.2	1.7	.3														298	298	655	842															
47 31	.1	.6	.5	.1														85	85	327	464															
47 26	.1	.3	.2															84	84	166	503															
47 27	.1	.2	.1															26	26	95	644															
47 28	.1	.1																3	3	18	264															
47 25																				3	156															
47 21																					112															
47 19																					48															
47 17																					11															
47 16																					5															
47 13																					1															
TOTAL	2.1	35.7	30.3	15.2	5.8	1.6	.3	.1	.1									7437	7438	7437	7437															

Element (X)	Z _g ¹	Z _g	X	C _g	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	82412996	556586	74.812	479	7437	≤ 6 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	14326646	323164	43.4	6.201	7438		19.8					744
Wet Bulb	12180919	298139	40.1	5.549	7437		67.9					744
Dew Point	9761035	265025	35.6	6.525	7437		229.7					744

THE EFFECTS OF THE FOLIOLE AND STIPULE

0-26-5 (OL A)

USAFETAC

PSYCHROMETRIC SUMMARY

1577	MILDENHALL RAF UK
STATION	STATION NAME

74-83

YEARS

APR
MONTH

PAGE : 7000-0200
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
/ 57																		3	3					
/ 56			.1	.1	.2													11	11	1				
/ 55			.1	1.4	1.4	.1												28	28	1				
/ 54			.3	3.1	.6	.1												36	36	7				
/ 44			1.7	1.8	1.3	.3												46	46	33	5			
/ 47			2.7	4.1	1.1													71	71	52	16			
/ 40	.2	5.6	11.2	1.7														168	168	98	49			
4/ 42	.8	4.4	1.3	2.1														158	158	131	59			
/ 41	.6	3.7	5.1	.6														91	91	139	54			
/ 70	.1	6.1	4.3	.1														91	91	146	129			
/ 37	.3	2.7	2.3															52	52	104	116			
/ 35	.3	5.2	3.1															78	78	81	163			
/ 33	.1	1.2	2.1															49	49	81	77			
/ 32		1.7	.2															11	11	41	62			
/ 20		.4	.1															5	5	20	64			
/ 27	.2																	2	2	6	75			
/ 25																					17			
/ 23																					9			
/ 21																					5			
TOTAL	2.9	36.25	1.2	1.7	.6	.1												900	900	900	900			
Element (X)	Σ X'		Σ X		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.	5475755		69725		77.5		9.73		900		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb	1679793		38571		42.9		5.457		900				1.6										90	
Wet Bulb	1458671		35951		39.9		5.713		900				6.7										90	
Dew Point	1204533		32543		36.2		5.562		900				23.3										90	

JSAFETAC

PSYCHROMETRIC SUMMARY

YEARS

APR
MONTH

PAGE : 3373-2500
HOURS (L. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point					
57				.7														3	3						
58				.3														6	6						
59				.7														12	12						
60			1	2.7	.2													27	27	6					
61			.6	1.8														21	21	20					
62			2.7	2.8	.7	.2												51	51	43	7				
63	.8	4.6	12.3	1.6	.2													175	176	54	51				
64	.9	4.6	11.5	1.7														167	167	89	58				
65	.7	5.3	5.9	.3														110	110	156	63				
66	.4	6.7	2.8	.2														91	91	150	115				
67	.3	3.4	3.3															64	64	118	127				
68	.1	3.8	1.9	.2														54	54	71	139				
69	.6	4.7	2.3															68	68	85	91				
70		2.1	.4															23	23	66	48				
71		1.6	.7															20	20	20	61				
72	.4	.3																7	7	21	100				
73																					24				
74																					16				
75																					6				
TOTAL	4.2	33.7	49.4	6.2	.4													899		899	899				

Element (X)	$\Sigma x'$	Σx	\bar{x}	s_n	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	57034.8	71152	79.3	8.956	899	$\leq 6 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Dry Bulb	1597019	37505	41.7	5.491	900		5.0					90
Wet Bulb	1393780	35112	39.0	5.083	899		10.7					90
Dew Point	1165149	31967	35.6	5.629	899		25.5					90

2

(

YEARS

PAGE 1 0600-0800
HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

74-83

YEARS

APR
MONTH

PAGE 1

~~CONFIDENTIAL~~

[illegible]

PAGE 1

5771	WILDENHALL RAF UK
STATION	STATION NAME

74-83

YEARS

APR
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

[illegible]

2

4

YEARS

APR
MONTH

PAGE : 1500-1700
HOURS (L. S. Y.)

[illegible]

0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

74-87

APC
MONTH

PAGE 1 1870-2000
HONOLULU (1-1-1)

[illegible]

2

5

APR
MONTH

~~212C-23C0~~
~~MOORE (L. S. Y.)~~

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
JOINTAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

75771	TILDENHALL RAF 'IK
STATION	STATION NAME

74-83

YEARS

APR
MONTH

PAGE 2

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
7/ 71																		10	17				
7/ 69																		13	13				
7/ 67																		14	14				
6/ 65																		42	42				
4/ 63																		89	89				
2/ 61																		124	124				
7/ 59																		138	138	2			
7/ 57																		257	257	19			
6/ 55																		330	330	60			
4/ 53																		496	496	173	10		
7/ 51																		554	554	210	25		
7/ 49																		449	449	585	32		
7/ 47																		698	698	676	130		
4/ 45																		1388	1388	829	600		
4/ 43																		895	895	964	642		
7/ 41																		456	456	1061	631		
7/ 39																		445	445	990	909		
7/ 37																		279	279	653	828		
7/ 35																		239	239	417	1071		
34/ 33																		188	188	362	648		
7/ 31																		51	51	181	417		
7/ 29																		33	33	58	439		
7/ 27																		11	11	33	543		
7/ 25																					162		
7/ 23																					79		
7/ 21																					27		
7/ 19																					4		
7/ 17																					2		
TOTAL	0.22	1.37	1.20	6.11	7.5	5.1	2.0	.9	.3	.2								7199	7200	7199	7199		

Element (X)	$\Sigma x'$	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	363245.1	571461	69.713	9.17	7199	≤ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	16148196	337100	46.8	7.124	7200		9.5	3.7				720
Wet Bulb	13106514	304602	42.3	5.507	7199		27.2					720
Dew Point	10012956	265162	36.8	5.888	7199		167.3					720

2

1

74-83

YEARS

 MAY
MONTH

PAGE 1 ~~CONFIDENTIAL~~

REPLACES PREVIOUS EDITIONS OF THIS FORM AND OBSOLETE

0-26-5 (OL A)

USAFETAC

PSYCHROMETRIC SUMMARY

4-83

MAY

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0300-0500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27	28	29-30	≥ 31	D.S./W.B.	Dry Bulb	Wet Bulb	Dew Point										
1 / 60				.1															1	1												
2 / 57		.1	.5	.2															10	17												
50 / 55		1.1	.5	1.4	.1														70	37	1	1										
4 / 52		1.5	2.0	1.															50	50	21	5										
1 / 51	.3	3.9	7.5	1.5	.2														125	125	40	23										
5 / 48	.3	2.6	3.3	1.1	.1														73	73	91	23										
1 / 47	.3	9.1	4.5	.3	.2														130	130	129	52										
31 / 45	2.8	14.1	9.8	.4															252	252	207	187										
14 / 43	1.1	2.4	5.4	.5															87	87	129	150										
1 / 41	.2	1.8	2.7																44	44	92	119										
4 / 39	.1	4.7	1.7																61	61	70	104										
7 / 37	.4	1.2	.3																18	18	71	86										
1 / 35		1.2	1.3																23	23	27	63										
30 / 33		1.1	.6																17	17	23	36										
2 / 31	.1	.5																	6	6	23	21										
1 / 29		.2																	3	3	6	26										
1 / 27																						29										
1 / 25																						5										
TOTAL	5.14	5.64	9.9	6.6	.9														932	932	930	930										

2

•

74-83

YEARS

MAY
MONTH

PAGE 1 ~~0600-0800~~
HOURS (C. S. T.)

0-26-5 (OL A)

USAFETAC

PSYCHROMETRIC SUMMARY

5771	"HILDENHALL DAF UK
STATION	STATION NAME

74-97

YEARS

MAY
MONTH

PALF !

1900-11, 3
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

May
MONTH

PAGE 1 ~~1220-1460~~
HOURS (L.T.T.)

[illegible]

PSYCHROMETRIC SUMMARY

75771	GILDENHALL RAF UK
STATION	STATION NAME

74-83

YEARS

MAY
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

MAY
1967

PAGE 1 ~~1810-2042~~

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point					
1/ 70																		1	1						
1/ 75																		4	4						
14/ 75																		4	4						
22/ 7																		1	1						
1/ 40																		16	16						
1/ 61																		11	11						
6/ 65																		19	19						
4/ 63																		68	68						
1/ 61																		61	61	15					
1/ 59																		27	27	17					
1/ 57																		94	94	45					
58/ 55																		100	100	50					
14/ 53																		107	107	96					
11/ 51																		105	105	100					
6/ 47																		74	74	142					
12/ 47																		90	90	161					
4/ 45																		56	56	135					
14/ 43																		12	12	70					
12/ 41																		9	9	45					
1/ 39																		4	4	18					
7/ 37																		2	2	21					
1/ 35																		1	1	4					
31/ 33																				1					
12/ 31																									
1/ 29																									
12/ 27																									
11/ 25																									
TOTAL																			933	933	933				

Element (X)	ΣX'	ΣX	X	°A	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	4 44473	59971	68.513.811		933	≤ 6 F	≤ 22 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	2864249	51241	55.1	6.642	933			8.6	9	1		933
Wet Bulb	2253029	45524	49.1	5.186	933							933
Dew Point	1732302	19720	42.7	6.218	933			8.6				933

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 35771 MILDENHALL RAF UK YEARS 74-83 MONTH MAY

PAGE 1 ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point				
7/ 91																		2	2					
7/ 79																		11	11					
7/ 77																		19	19					
7/ 75																		32	32					
7/ 73																		34	34					
7/ 71																		66	66					
7/ 69																		128	128					
6/ 67																		70	70					
6/ 65																		149	149	5				
4/ 63																		422	422	26				
2/ 61																		361	361	74	4			
7/ 59																		394	394	135	3			
5/ 57																		533	533	258	29			
5/ 55																		637	637	360	106			
4/ 53																		777	777	608	195			
7/ 51																		818	818	707	329			
7/ 49																		551	551	1007	273			
7/ 47																		765	765	1167	599			
4/ 45																		932	932	1117	1606			
4/ 43																		283	283	706	925			
7/ 41																		144	144	466	842			
4/ 39																		142	142	286	778			
7/ 37																		62	62	213	568			
7/ 35																		61	61	98	432			
3/ 33																		35	35	70	303			
2/ 31																		9	9	40	136			
7/ 29																		3	3	7	155			
28/ 27																					141			
7/ 25																					16			
TOTAL	2,220	629	318	912	9	7	2	4	6	2	7	1	3					7440	7440	7440	7440			

Element (K)	Z _h	Z _x	Z _y	Z _z	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	37813771	517387	69.5	15.699	7440	10 F	12 F	17 F	23 F	30 F	93 F	
Dry Bulb	21307977	393918	52.9	7.791	7440		1.2	36.2	9.8			744
Wet Bulb	17212726	355372	47.8	5.661	7440		4.7					744
Dew Point	13700498	316067	42.5	6.168	7440		88.8					744

USAFETAC 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

(

JUN

;

USAFETAC
FORM
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

~~SECRET~~

PAGE 1 ~~2300-0500~~
~~NOV 19 1964~~

[illegible]

PSYCHROMETRIC SUMMARY

5771
STATION

MILDENHALL RAF UK
STATION NAME

74-63

YEARS

JUN
MONTH

PAGE 1

2670-0800
HOURS (L. S. T.)

[illegible]0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

YEARS

5771	MILDENHALL RAF UK
STATION	STATION NAME

74-87

JUN
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

[illegible]

YEARS

JUN
MONTH

PAGE 2 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
70.8 L	.	4.2	11.0	17.6	17.8	21.6	14.3	6.6	3.0	1.3	1.4	1.0	.6	.3				90.0	90.1	90.0	90.0			

PSYCHROMETRIC SUMMARY

1971 MILDENHALL RAF UK
STATION STATION NAME

74-83

YEARS

1118
MONTN

PAGE 1 ~~1800-2000~~
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

74-87

JIN

STAT:3M

STATION NAME

YEARS

MONTH

PAGE 1 2170-2302
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
70																		2	2																
71																		1	1																
72																		3	3																
73																		3	3																
74																		3	3																
75																		9	9																
76																		11	11																
77																		18	18																
78																		78	78	12	2														
79																		76	76	19	4														
80																		77	77	41	8														
81																		132	132	109	39														
82																		125	125	108	75														
83																		139	139	97	94														
84																		105	105	152	113														
85																		64	64	151	71														
86																		29	29	128	110														
87																		17	17	52	178														
88																		7	7	21	89														
89																		1	1	4	69														
90																				5	33														
91																					6														
92																					7														
93																					1														
94																					1														
95																					1														
TOTAL	1.1	18.6	42.6	26.9	7.4	1.9	.9	.4	.2									900		900	900														

PSYCHROMETRIC SUMMARY

YEARS

JUN
MONTH

PAGE 2

ALL

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
71	1.5	1.5	2.7	5.1	9.5	13.2	9.6	5.1	2.7	1.5	.7	.4	.3	.1	.1			7199	7199		7199	
72																						
73																						
74																						
75																						
76																						
77																						
78																						
79																						
80																						
81																						
82																						
83																						
84																						
85																						
86																						
87																						
88																						
89																						
90																						
91																						
92																						
93																						
94																						
95																						
96																						
97																						
98																						
99																						
100																						

Element (X)	Σ X'	Σ X	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	37461650	527950	72.6	15.101	7199	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≥ 93 F	Total
Dry Bulb	25336450	423340	58.8	7.934	7199			98.2	42.9	11.8	.9	720
Wet Bulb	20617689	383333	53.2	5.349	7199			.2	7.6			720
Dew Point	17184309	349509	48.5	5.475	7199		1.5					720

1

74-27

YEARS

151

PAGE 1 ~~0600-0800~~
HOURS (L.S.T.)

USAFETAC
FORM
AR 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
HAFETAC
AT: WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1971	WILDENHALL RAF UK
STATION	STATION NAME

4-2

YEAR

JUL
MONTH

PAGE 1 2970-11.0
MAY 11 1961

[illegible]

GENERAL CLIMATOLOGY RESEARCH
RESEARCH
RESEARCH SERVICE/INAC

PSYCHROMETRIC SUMMARY

1272 WILLIAM RAE JR
STATION STATION ROAD

Y1A01

—

PAGE 1 ~~1220-1416~~

[illegible]

JOINT CLIMATOLOGY BRANCH
ATTN:
AIR WEATHER SERVICE /PAC

PSYCHROMETRIC SUMMARY

STATION	ILDEFHILL RAF UK
STATION NAME	

74-87

YEARS

iv

PAGE 1 1500-1700
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
/ 65																		2	5	3																
/ 64												.1	.1					5	5	5																
/ 63												.1	.4					5	5	5																
/ 62												.2	.1					4	4	4																
/ 61												.3	.4	.1				9	9	9																
/ 60									.1	.5	.2				.2			12	12																	
/ 59						.1	1.2	1.1	1.7	.3	.5							46	46																	
/ 58						.4	1.1	1.7	1.3	.2	.1			.1				41	41																	
/ 57					.1	1.1	1.1	.3	2.7	.6								55	55																	
/ 56					1.1	1.4	2.4	1.7	.4									63	63																	
/ 55					.4	.5	1.3	3.7	1.8	1.6	.1							88	88																	
/ 54					.5	1.5	1.4	2.7	1.9	.5								80	67																	
/ 53			.3	.3	.6	4.4	2.9	.4	.1									94	94	22																
/ 52			.6	.3	.8	1.6	1.3		.1									46	46	56																
/ 51			.3	1.5	1.5	3.5	2.0	.7										96	96	86	2															
/ 50		.6	1.3	4.9	5.1	4.6	1.7											165	165	91	50															
/ 49		.5	.6	1.3	2.0	.2												51	51	144	34															
/ 48		.1	1.3	.4	.4		.3											24	24	133	57															
/ 47		.8	.6	1.2	.2													26	26	142	73															
/ 46		.4	.1															5	5	131	127															
/ 45		.8	.6															13	13	88	97															
/ 44																				79	126															
/ 43																				3	96															
/ 42																				2	113															
/ 41																					119															
/ 40																					23															
/ 39																					11															
/ 38																					7															
/ 37																					5															
/ 36																					1															
TOTAL		3.4	5.7	11.8	15.1	23.1	20.4	9.1	8.1	1.9	1.2	1.2	.9	.3		.3		930	930	930	930															
Element (X)	Σ X'		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ															
Rel. Hum.	376744		51933		55.7		14.233		930		= 6 F		= 32 F		= 67 F		= 73 F		= 80 F		= 93 F															
Dry Bulb	457446		64868		69.8		7.724		930						55.0		33.0		9.3		.2															
Wet Bulb	3338552		55562		59.7		4.528		930						8.0																					
Dew Point	2572665		48645		52.3		5.511		930																											

GENERAL CLIMATOLOGY BRANCH
METEOROLOGICAL
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1971 MILDENHALL RAF UK
STATION STATION NAME

74-83

YEARS

UNIT 1

PAGE : 1609-200
HOURS (G. S. T.)

[illegible]

21

1

JUL
MONTH

1

USAFETAC
 FORM
 JUL 64
 0-26-5 (OL A)
 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

REF ID: A66711 WILDEHALL RAF UK

74-87.

AUG

STATION

STATION NAME

YEARS

MONTH

PAGE * 0000-0200
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point												
67/77																		2	2														
77/77																		1	1														
77/69																		5	5														
77/67																		71	21														
67/65																		33	33														
67/63																		98	98	32	8												
77/61																		106	106	36	31												
77/59																		87	87	80	17												
77/57																		158	158	126	70												
67/55																		136	136	174	114												
77/53																		121	121	144	193												
77/51																		64	64	125	130												
77/49																		36	36	121	103												
77/47																		35	35	51	102												
77/45																		2	22	37	97												
47/43																		4	4	13	35												
77/41																		1	1	6	13												
77/39																				2	14												
77/37																					1												
77/35																																	
TOTAL	1.43%	141.3	17.1	2.2														930	930	930	930												

Element (X)	Σ g ¹	Σ g	Σ	g _a	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	6293110	76110	81.9	8.929	930	≤ 6 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 86 F	≥ 93 F	Total
Dry Bulb	3256915	53111	57.1	5.184	930			2.9	.2			93
Wet Bulb	2733297	50233	54.7	4.641	930							93
Dew Point	2493721	47917	51.5	4.351	930							93

2

【

74-83

YEARS

ALL
MONTH

PAGE 1 7300-2500
HOURS (G.S.T.)

[illegible]

JSAFETAC
FORMS
JUL 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

74-27

AUG

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0600-0800
HOURS (L. S. T.)

[illegible]

2

PSYCHROMETRIC SUMMARY

14771	WILDEHALL RAF UK
STATION	STATION NAME

74-87

YEARS

AUG
MONTH

PAGE ' 1200-1407
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point															
/																		4	4																
/ 8												.1	.2	.1				3	3																
/ 87												.2	.3					5	5																
/ 86												.3	.4	.1				6	6																
/ 85												.4	.5	.2				12	12																
/ 84								.2	.1	.6	.1	.4	.3	.2				23	23																
/ 83							.4	.2	1.0	.9	.4	.1						28	28																
/ 82							.5	.5	1.6	.4	.5							38	38																
/ 81				.2	.1		.4	3.7	1.0	.6	.1							67	67																
/ 80			.4	.3	1.0	2.9	1.0	.6										69	69																
/ 79			.5	.4	1.3	3.2	1.1	.1										91	91	1															
/ 78			.6	.5	1.3	3.3	1.1	.1										117	117	18															
/ 77		.3	.4	.1	2.3	1.9	.5											71	71	72	1														
/ 76	.3	.6	2.1	2.8	2.7	4.5	.7											100	120	51	1														
/ 75	1.3	2.1	5.1	3.9	4.2	1.5	.4											175	175	102	31														
/ 74	.6	2.2	1.1	1.7	.8													51	51	176	31														
/ 73	.5	.6	.5	.3														25	25	146	43														
/ 72	.6	.8	.4	.2														21	21	172	97														
/ 71																		3	3	115	122														
/ 70			.7															3	3	77	145														
/ 69		.2	.1															3	3	22	110														
/ 68																				16	77														
/ 67																				2	67														
/ 66																					123														
/ 65																					43														
/ 64																					14														
/ 63																					9														
/ 62																					4														
TOTAL	7.0	9.5	10.9	14.6	21.1	21.9	10.3	4.7	2.0	1.9	.9	.1						977	937		937														

Element (X)	$\Sigma x'$	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Num.						≤ 6 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	316282	52638	56.6	19.57	937							
Wet Bulb	446399	64143	69.7	6.487	937			52.9	25.2	6.4		93
Dew Point	3295698	55226	59.4	4.179	937			5.1				93
	2553103	48869	52.7	5.403	937			.7				93

FORM 0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 64

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

572 MILDENHALL RAF UK
STATION STATION NAME

74-23

YEARS

ALL MONTH

PAGE 1 1500-1700
HOURS []

[illegible]

2

C

AUG
MONTH

c.

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JAN 64

2

YEARS

74-83

ALL
MONTH

PAGE : ~~2100-2300~~
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
75							.1											1	1					
74						.2	.1											3	3					
73				.1	.4	.3												8	6					
72			.4	.6	.6	.5												21	21					
71			1.1	.1	.6	.3												19	19					
70		.4	1.5	1.6	1.5	.3												52	52	9				
69		3.4	3.9	7.6	1.4	.9												150	150	36				
68		2.7	4.2	6.7	3.7	.1												148	148	56				
67	.1	2.3	7.2	5.2	1.1													147	147	95				
66	.2	5.2	6.3	4.1	.5													152	152	139				
65	.7	3.2	3.3	2.6														87	87	207				
64	.2	2.5	3.3	1.8														73	73	189				
63	.1	.5	3.3															37	37	120				
62		1.3	1.2															14	14	88				
61		.1	.3															13	13	33				
60		.2	.2															5	5	14				
59																				3				
58																				1				
57																				3				
TOTAL		52	436	229	8	9.2	2.7	.2										930	930	930				

Element (X)	Σ g ¹	Σ g	X	g ₂	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	530433	71147	76.5	9.707	930	≤ 6 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	3299648	55212	59.4	4.848	930			5.2	.8			93
Wet Bulb	2488318	51318	55.2	4.222	930							93
Dew Point	2517637	48193	51.8	4.669	930							93

GENERAL CLIMATOLOGY BRANCH
METAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

0071	GILDENHALL RAF UK
STATION	STATION NAME

74-83

YEARS

AUG

MONTH

PAGE 1

44

HOURS (L. S. T.)

[illegible]

2

—

74-83

YEARS

SEP
MONTH

PAGE : 0000-3200
HOURS (L. S. T.)

USAFETAC
FOIbbs
JUL 44
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

7571	MILDETHALL RAF UK
STATION	STATION NAME

74-85

YEARS

SEP

MONTH

PAGE 1 0300-0500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
67/65																		2	2						
67/63																		36	36	1					
67/61	.1	.7	2.6	1.1	.2													42	42	11					
67/59		.3	3.1	1.4	.3													50	50	16					
67/57	.1	3.7	6.1	2.8	.1													114	114	51					
67/55	.3	6.1	4.9	3.1	.2													131	131	75					
67/53	.5	4.8	7.2	2.1	.1													130	130	143					
67/51		7.4	6.3	.6														97	97	123					
67/49		7.5	4.4	.3														66	66	143					
67/47		4.8	7.1	.3														73	73	100					
67/45	.2	5.7	4.2	.1														92	92	91					
67/43	.4	7.1	1.1															32	32	62					
67/41		1.4	.1															14	14	44					
67/39		1.3																12	12	18					
67/37	.5	.6																7	7	15					
67/35	.1	.1																2	2	6					
67/33																				1					
TOTAL	1.9	38.6	44.8	13.6	1.2													900		900					

Element (K)	Σ x'	Σ x	x̄	s _x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	625131	73253	81.4	8.365	900	≤ 6 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	2527825	47429	52.7	5.618	900							90
Wet Bulb	2251912	44778	49.8	5.173	900							90
Dew Point	2022687	42373	47.1	5.553	900							90

PSYCHROMETRIC SUMMARY

15771 WILDENHALL RAF UK
STATION STATION NAME

74-83

YEARS

SEP
MONTH

PAGE 1 ~~0607-0800~~
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																											TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point											
1/ 40				.1															1	1											
1/ 45				.2	.1														6	6											
1/ 43	.1	.9	1.1	4.6	.4	.3													66	66	4	1									
1/ 41	.1	1.2	4.8	1.9	.4														76	76	13	9									
1/ 39		1.6	2.8	2.4	.4														65	65	28	12									
1/ 37	.3	4.6	6.7	2.9	.4														134	134	104	21									
1/ 35	.3	4.6	5.8	2.9	.3														125	125	91	71									
1/ 33	.1	3.4	7.1	1.8															112	112	134	94									
1/ 31		3.1	3.4	.8	.1														111	111	131	128									
1/ 29		1.7	3.1	.2	.1														45	45	129	72									
1/ 27		3.9	2.7	.1	.1														61	61	103	109									
1/ 25	.1	3.2	2.3	.1															52	52	79	177									
1/ 23	.1	1.4	1.																24	24	35	72									
1/ 21		.8	.2																9	9	32	63									
1/ 19	.1	.8	.1																9	9	13	27									
1/ 17	.1	.3																	4	4	9	24									
1/ 15																					4	16									
1/ 13																						6									
1/ 11																						1									
1/ 9																						1									
1/ 7																						1									
1/ 5																						1									
1/ 3																						1									
1/ 1																						1									
TOTAL	1.6	31.3	46.2	18.1	2.6	.3													900	500	900	900									

YEARS

5771	WILDENHALL RAF UK
STATION	STATION NAME

74-83

S F P

PAGE 1 7900-1100
HOURS (C. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (O.L.A.)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 SAFETAC
 AT WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1972	WILDENHALL RAF UK
STATION	STATION NAME

74-83

YEARS

SEP
MONTH

PAGE 1 1220-1450
HOURS (L. S. T.)

REMOVED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

USAFETAC

YEARS

1771	WILDENHALL RAF JK
STATION	STATION NAME

74-83

SEP
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

[illegible]

RECEIVED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0.265 (OL A)

1000

USAFETAC

2

SEE
MONTH

74-83

YEARS

MENTIM

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED

USAFETAC

74-97

SEP

PAGE 1 2170-2300
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
CLAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

15771	WILDENHALL PAF UK
STATION	STATION NAME

74-63

YEARS

SEP
MONTH

PAGE 1

111
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point						
70																		4	4							
71																		7	7							
72																		9	9							
73																		40	40							
74																		61	61							
75																		132	132							
76																		256	256	4						
77																		168	168	8						
78																		359	359	30						
79																		1141	1141	127						
80																		787	787	332						
81																		602	602	517						
82																		829	829	988						
83																		775	775	903						
84																		616	616	1146						
85																		480	480	902						
86																		241	241	894						
87																		269	269	531						
88																		258	258	370						
89																		84	84	213						
90																		39	39	132						
91																		28	28	55						
92																		15	15	32						
93																		2	2	13						
94																				1						
95																										
TOTAL																		7198	7198	7198						
																					7198		7198		7198	

2

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

10771 MILDENHALL PAF AK

74-87

YEARS

OCT

MONTH

PAGE 1 1070-0200
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL							
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		31	Dry Bulb	Wet Bulb	Dew Point				
57																																	1	1						
58																																	1	1						
59																																	16	16						
60																																	23	23	2					
61																																	26	26	16	5				
62																																	51	51	26	12				
63																																	69	69	43	19				
64																																	102	102	61	63				
65																																	106	106	74	59				
66																																	90	90	117	52				
67																																	113	113	105	79				
68																																	124	124	126	136				
69																																	69	69	99	103				
70																																	46	46	95	80				
71																																	76	36	61	102				
72																																	22	22	36	79				
73																																	16	16	18	71				
74																																	16	16	20	25				
75																																	3	3	18	4				
76																																			3	17				
77																																				19				
78																																				3				
79																																				2				
80																																				930				
TOTAL	1.3	4.6	4.4	2.4	6.5	1.0																												930	930	930				
Element (X)	Σ X					Σ X					Σ X					Σ X					Σ X					Σ X					Σ X					Σ X				
Rel. Hum.	61554.9					75287					81.0					8.79					93					± 0 F					± 32 F					± 67 F				
Dry Bulb	2278841					45633					49.1					6.547					93					± 73 F					± 80 F					± 93 F				
Wet Bulb	2030645					43071					46.3					6.217					93					± 93 F					Total					93				
Dew Point	1795643					40375					43.4					6.786					93					± 93 F					Total					93				

2

74-82

YEARS

OCI
MONTH

PAGE 1 0370-0510
HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-S (OL A)

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
JAFETAC
ATTN: WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

75771	WILDENHALL RAF UK
STATION	STATION

74-83

YEARS

OCT
MONTH

PAGE 1

0600-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
67/65			.2	.1														3	3						
67/63		.2	.4	.2														14	14	2					
67/61			1.4	.5	.2													20	20	5	3				
67/59		1.1	.9	.4														22	22	6	5				
67/57	.1	1.5	2.2	.9														42	42	27	9				
67/55	.1	2.7	3.3	1.4														70	70	29	16				
67/53	.1	3.2	3.9	.8														74	74	61	33				
67/51	.2	3.9	5.8	.5	.1													98	98	76	57				
67/49	.5	3.1	4.5	1.5														90	90	105	65				
67/47	.3	7.3	3.2	.5														106	106	109	74				
67/45		8.8	7.7	.1														155	155	124	139				
67/43	.7	3.3	3.7	.7														65	65	122	101				
67/41	.1	4.3	1.3	.3														56	56	77	103				
67/39	.1	3.7	.9	.1														44	44	54	101				
67/37	.1	2.8	.6															33	33	50	67				
67/35		1.5	.5															19	19	37	57				
67/33		1.1	.1															11	11	30	36				
67/31		.6																6	6	9	16				
67/29		.2																2	2	4	28				
67/27																				1	15				
67/25																					5				
TOTAL	2.349	449.7	9.2	.4														930	930	930	930				

Element (K)	Σ x ¹	Σ x	Σ	Σ ²	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	6265361	75959	81.7	8.124	93	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	2214755	44965	48.3	6.621	93		.8					93
Wet Bulb	1982584	42542	45.7	6.271	93		1.4					93
Dew Point	1758071	39937	42.9	6.808	93		6.4					93

USAFETAC
FORM
JUL 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U

PSYCHROMETRIC SUMMARY

YEARS

OCT
MONTH

PAGE 1 2920-1100
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
74/ 73																		2	7				
73/ 69																		3	3				
67/ 67																		3	3				
66/ 65																		5	5	1			
64/ 63			1.1	3.4														54	54	5	1		
62/ 61			5	2.8	2.4													61	61	7	2		
59/ 59			5	3.5	2.7	1.2												70	70	23	6		
57/ 57			1.5	2.6	2.5	.6												70	70	64	17		
55/ 55			2.7	3.2	4.2	1.4												107	107	73	32		
53/ 53			1.5	5.4	3.7	1.3												111	111	80	69		
51/ 51			2.8	9.4	3.7	.6												147	147	96	77		
49/ 49			1.2	4.5	1.5													68	68	136	61		
47/ 47			.4	3.7	4.5	1.2												91	91	166	83		
45/ 45			.1	2.8	4.5	.6												76	76	113	162		
43/ 43			1.2	1.5														26	26	76	108		
41/ 41			1.1	.5														15	15	37	117		
39/ 39			1.2	.3														14	14	28	92		
37/ 37			.1	.2														4	4	16	51		
35/ 35			.1															1	1	6	22		
33/ 33			.1	.1														2	2	2	19		
31/ 31																				1	6		
29/ 29																					1		
27/ 27																							
TOTAL		1.2	20.9	44.4	24.8	7.4	1.5											930	930	930	930		

Element (X)	Σ x ¹	Σ x	Σ	σ _x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	5376.29	71099	75.4	9.989	930	≤ 6 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	26572.16	49400	53.1	6.237	930			.8	.2			93
Wet Bulb	22773.43	45741	49.2	5.423	930		.1					91
Dew Point	1985.00	42162	45.3	6.755	930		1.1					92

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

1

74-83

YEARS

057

MONTH

1

USAFETAC FORM 0-26-5 (OLA)
AS 14 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4

PSYCHROMETRIC SUMMARY

OC 1
MONTANA

PAGE 1 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point				
72																		1	1					
71																		1	1					
70																		1	1					
69						.6	.1											2	2					
68				.7		.6	.1											10	10					
67					.7	.2												7	7					
66			.3	.6	.7		.1											18	18	1				
65		.1	1.1	4.2	2.3	1.9	.2											88	88	4				
64		.2	2.1	2.3	2.3	1.1	.9											81	81	14	3			
63			1.5	2.5	1.3	.6	.2											57	57	36	6			
62		1.1	2.2	5.2	1.6	1.2												103	103	62	12			
61		1.5	2.5	6.1	2.9	.6												125	125	65	44			
60		1.3	4.9	5.7	3.5	.1												145	145	92	45			
59	.2	1.7	4.3	3.7	1.9													110	110	114	74			
58		.8	2.7	2.5	.9	.2												58	58	172	42			
57		1.7	2.8	3.7	.2													72	72	137	109			
56		.1	2.4	.8	.2													41	41	115	175			
55		.2	.3															5	5	76	83			
54			.2															2	2	27	104			
53		.1																1	1	12	83			
52		.2																2	2	1	67			
51																				2	57			
50																					17			
49																					3			
48																					4			
47																					2			
TOTAL	.2	9.2	6.5	36.5	19.1	6.9	1.9	.1										930	930	930	930			

0-26-5 (OL A)

USAFETAC

PSYCHROMETRIC SUMMARY

74-93

OCT

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1670-2300

HOURS (L, S, T, J)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

75771
STATION

ILDENHALL RAF
STATION NAME

74-87
YEARS

OCT
MONTH

PAGE 1

ALL
HOURS (L. S. Y.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	Dry Bulb	Wet Bulb	Dew Point				
77																					3	3		
76																					3	3		
75																					8	8		
74																					4	4		
73																					27	27		
72																					25	25		
71																					60	60	5	
70																					338	338	21	1
69																					370	370	61	16
68																					336	336	149	44
67																					508	508	365	95
66																					716	717	416	220
65																					882	882	568	404
64																					897	897	726	529
63																					620	620	1070	419
62																					717	717	1024	633
61																					864	864	948	1796
60																					356	356	721	789
59																					245	245	519	777
58																					198	198	333	790
57																					115	115	212	539
56																					72	72	122	412
55																					50	50	111	216
54																					19	19	49	69
53																					5	5	14	93
52																								80
51																								10
50																								5
49																								2
TOTAL	1.1	31.0	39.4	18.5	7.1	2.2	.6	.1													7438	7438	7438	
Element (X)	2x'	2x	x	°x	No. Obs.	Mean No. of Hours with Temperature										Total								
Rel. Hum.	44459745	568953	76.5	10.033	7438	< 6 F	< 32 F	< 67 F	< 73 F	< 80 F	< 93 F	Total												
Dry Bulb	27019674	382477	51.4	6.911	7439		2.4	7.0	1.4			744												
Wet Bulb	17217812	355330	47.7	6.743	7438		6.7					744												
Dew Point	14728110	327398	44.7	6.529	7438		25.9					744												

USAFETAC FORM 8-64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

5771	WILDENHALL RAF UK
STATION	STATION NAME

74-83

YEARS

NOV
MONTH

PAGE 1 0000-0200
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
27 51			.1																1	1				
27 59			.3																5	5				
27 57			.4	1.2	.3														18	18	5			
27 55	.3	.7	2.2	.7															35	35	12	5		
27 53	.1	2.2	4.7	1.6															77	77	22	17		
27 51		1.2	3.8	.7	.5														52	52	58	14		
27 49	.2	2.7	2.5	1.2															60	60	57	37		
27 47	.3	4.2	3.1	.3															77	77	22	52		
27 45	.7	6.	5.1	.8															113	113	31	94		
27 43		3.6	4.7	.6															79	79	86	62		
27 41		2.9	3.7	.2															61	61	79	68		
27 39	.6	4.8	3.2	.2															79	79	82	85		
27 37	1.2	4.3	2.3																75	75	90	74		
27 35	.7	5.7	2.																75	75	75	135		
27 33	.9	3.7	1.3																46	46	37	76		
27 31		1.6	.1																15	15	37	59		
27 29	.2	1.9	.7																25	25	27	55		
27 27	.1	.1	.1																3	3	17	55		
27 25		.1																	1	1	6	22		
27 23																					1	6		
27 21																						4		
27 19	.1	.2																	3	3	1	5		
27 17																					2	3		
27 15																						2		
TOTAL	5.446	141.6	6.6	.3															900	900	900	900		

YEARS

MONTH

NOV

7571
STATION

·ILCENHALL RAF UK

74-83

NOV
MONTH

PAGE 1 7300-0500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
1 / 59		.1	.2															3	3					
1 / 57		.6	1.2															20	27	1				
2 / 56	.1	1.2	1.4	.6														32	32	10	4			
2 / 57	.1	1.2	3.4	1.0														52	52	24	6			
3 / 51	.1	2.0	3.2	.4	.2													72	72	43	26			
3 / 49		1.6	2.7	.7														44	44	65	17			
4 / 47	.2	4.8	2.0	.7														69	69	74	47			
4 / 45	1.0	5.0	5.7	.4														109	109	89	112			
4 / 43		3.3	4.2	.9														76	76	69	67			
2 / 41		5.7	3.0	.3														81	81	73	65			
5 / 37	.1	7.0	1.3	.6														87	87	81	70			
5 / 37	1.7	4.1	2.8															77	77	119	87			
6 / 35		4.2	1.7															53	53	56	68			
3 / 33	.0	4.9	1.0															61	61	98	88			
7 / 31	.2	1.8																18	18	50	57			
7 / 29	.2	1.7	.8															24	24	23	68			
7 / 27	.5	1.1	.1															16	16	17	61			
8 / 25																				10	28			
9 / 23	.2																	2	2		8			
10 / 21	.1																	1	1	2	7			
11 / 19	.1																	1	1	1	8			
11 / 17	.2																	2	2	3	2			
11 / 15																					1			
1 / 11																					3			
TOTAL	5.4	51.6	36.8	6.1	.2													900	900	900	900			

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

NOV
MONTH

PAGE 1 0600-0800
HOURS (L. S. T.)

[illegible]

2

i

'4-83

NCV

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0920-1100
NOV 23 1963

0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

一

PSYCHROMETRIC SUMMARY

YEARS

NCV
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
1/ 57				1.	.7													17	17																
2/ 61		1.	1.7	.8	.4													21	21																
3/ 60			1.9	1.7	.7													28	28	2															
4/ 57			1.6	1.7	3.3	.1												53	53	17	1														
5/ 55	.1	1.1	2.1	3.1	.6													63	63	35	7														
6/ 53	.1	1.6	3.4	3.2	.9													88	88	39	30														
7/ 51		1.1	6.7	2.2	.0													91	91	80	44														
8/ 50			9.3	2.3	.2	.1												64	64	87	28														
9/ 47			7.4	5.9	3.8	.6												123	123	102	57														
10/ 45	.1	2.4	8.2	2.2	.8	.7												140	140	111	126														
11/ 43	.1	1.6	5.4	1.6	.1													79	79	107	74														
12/ 41	.4	2.8	2.7	.2	.1													56	56	108	90														
13/ 39	.1	2.7	1.4	.7														44	44	94	101														
14/ 37	.1	.1	.6															9	9	54	115														
15/ 35	.1	.7	.8															14	14	24	84														
16/ 33	.1	.7	.1															6	6	26	36														
17/ 31		.1																1	1	7	23														
18/ 29		.2																2	2	3	32														
19/ 27		.3																3	3		37														
20/ 25		.1																1	1		7														
21/ 23																				1	1														
22/ 21																					5														
23/ 19																					2														
TOTAL	1.1	2.7	44.8	27.3	5.2	.4												900	900	900	900														

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

WFO

USAFETAC

PSYCHROMETRIC SUMMARY

74-67

NOV
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL D.B./W.B.	TOTAL					
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29		30	≥ 31	Dry Bulb	Wet Bulb	Dew Point	
77																																		77	77		
76																																		16	16		
75																																		17	17		
74																																		51	51	16	3
73																																		63	63	24	12
72																																		93	93	46	20
71																																		55	55	76	45
70																																		61	61	82	16
69																																		101	101	87	59
68																																		153	153	90	111
67																																		81	81	85	86
66																																		79	79	128	82
65																																		59	59	109	91
64																																		29	29	61	122
63																																		18	18	37	79
62																																		10	10	37	44
61																																		3	3	1	31
60																																		1	1	3	43
59																																		3	3	1	36
58																																				3	11
57																																					2
56																																					5
55																																					

PSYCHROMETRIC SUMMARY

NOV
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL									
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																						
47/ 13				.2														2	2																							
47/ 14			.2	.2														10	10																							
47/ 15		.6	.8	.1														13	13	3																						
47/ 16		.2	1.8	.4	.1	.1												29	29	9	3																					
50/ 15	.1	1.6	2.3	1.0	.1													46	46	17	8																					
50/ 16	.2	.7	4.1	1.2	.1													62	62	38	13																					
50/ 17		1.1	5.6	.4														73	73	40	32																					
50/ 18		.7	3.6	.2														40	40	79	15																					
50/ 19		4.4	3.6	.8														79	79	93	40																					
46/ 45	.3	4.3	2.2	.8	.3													135	135	66	127																					
47/ 43		2.3	5.2	1.0														86	86	82	69																					
47/ 41	.1	5.1	4.3	.4														90	90	110	76																					
47/ 39	.4	6.1	2.7	.1														84	84	88	81																					
46/ 37	1.6	2.1	2.2	.1														54	54	109	1.8																					
47/ 35	.3	2.4	2.7	.1														44	44	53	89																					
46/ 33	.1	1.6	.7	.1														22	22	56	58																					
46/ 31		1.7	.2															17	17	33	34																					
47/ 29		.8	.3															10	10	12	50																					
47/ 27	.1	.1																2	2	9	64																					
47/ 25		.1																1	1	1	14																					
46/ 23		.1																1	1	1	4																					
47/ 21																					4																					
47/ 19																					4																					
47/ 17																					2																					
TOTAL	3.337	249.7	8.1	1.0	.1													900	900	900	9.00																					

2

1

YEARS

1

•

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

-
D-26-5 (OL A)

1000



2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

15771 HILDENHALL RAF UK
STATION STATION NAME

74-83

YEARS

NOV
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
57/ 65																			1	1					
57/ 63																			23	23					
57/ 61			.1	.4	.3														65	65					
57/ 59			.2	.3	.3														96	96					
57/ 57			.7	1.6	1.1														250	250	62				
57/ 55		.1	1.2	2.1	1.3	.1													340	340	149				
57/ 53		.1	1.4	3.9	2.7	.2													540	540	268				
57/ 51		.1	1.3	5.7	.9	.3													586	586	438				
57/ 49		.1	1.3	3.7	1.3	.6													386	386	564				
57/ 47		.1	4.3	3.5	1.3	.1													668	668	667				
57/ 45		.4	4.8	7.7	1.5	.3													1063	1063	697				
57/ 43		.1	2.9	5.2	.9														659	659	668				
57/ 41		.1	4.5	3.3	.4														670	600	770				
57/ 39		.3	5.4	2.1	.4														598	598	788				
57/ 37		.9	2.8	1.9	.1														410	410	698				
57/ 35		.3	2.9	1.7	.1														362	362	437				
57/ 33		.5	2.5	.8															274	274	494				
57/ 31		.1	1.2	.1															99	99	278				
57/ 29		.1	1.1	.3															109	109	118				
57/ 27		.2	.4	.1															48	48	71				
57/ 25		.1	.1																5	5	40				
57/ 23		.1																	7	7	8				
57/ 21		.1																	6	6	7				
57/ 19		.1																	7	7	8				
57/ 17		.1																	6	6	7				
57/ 15																									
57/ 13																									
57/ 11																									
57/ 9																									
TOTAL	3.5	39.4	48.0	11.7	1.3	.1													7200	7200	7200				

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

5771	WILDENHALL RAF UK
STATION	STATION NAME

73-87

YEARS

DEC
MONTH

PAGE 1 0000-0200
MAY 1968 (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

DEC
MONTH

PAGE 1 0300-0500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																								TOTAL D.B./W.B.	TOTAL																
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point																						
57			.2	.1														3	3																							
56			.5	.5														10	10																							
53		.3	1.3	.5														20	20	2																						
51		.6	4.3	.2														48	48	15	1																					
49		1.0	2.0	.3	.3													34	34	32	8																					
47	.1	3.4	2.7	.1														59	59	66	19																					
45	.2	5.2	4.4	.6	.1													98	98	68	75																					
43	.6	2.7	3.3	.2														64	64	57	56																					
41	.1	4.1	4.4															79	79	75	69																					
39	.4	7.1	3.6	.1														104	104	71	60																					
37	3.3	2.3	3.7	.1														87	87	130	73																					
35	.2	7.2	4.6															110	110	70	1.5																					
33	.2	5.3	1.4															64	64	118	67																					
31		2.4	.1															23	23	85	47																					
29	.3	3.3	.2															36	37	36	101																					
27	.1	4.1	.2															47	47	37	113																					
25		2.2																20	20	28	28																					
23		.9																8	8	24	33																					
21	.1	.8																8	8	8	8																					
19	.1	.3																4	4	8	29																					
17																				3	11																					
15																					13																					
13		.1																1	1	1	3																					
11		.1																1	1	1	2																					
9		.1																1	1	1																						
7																					2																					
5																					1																					
TOTAL	5.9	53.1	37.7	2.9	.4													929	937	979	929																					

2

YIARS

PAGE 1 260C-0830
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
CMFETAC
AIR WEATHER SERVICE/PAC

PSYCHROMETRIC SUMMARY

5771	MILDENHALL RAF UK
STATION	STATION NAME

73-82

YEARS

DEC
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

[illegible]

2

1

73-87

DFC

STATION	STATION NAME
---------	--------------

YEARS

MONTH

PAGE 1 1270-1400
HOLMES (L. S. T.)

0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

2

1

73-87

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1870-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
59		.3																3	3						
57			.1															1	1	3					
55		.5	1.1	.2														17	17		3				
54	.3	.3	1.0	.2														26	26	9	3				
52		.9	3.7	.1	.1													44	44	13	6				
50		.9	1.7	.9	.4													36	36	37	10				
47	.1	3.9	2.2	.8														64	64	51	18				
45	1.2	6.7	6.2	1.3														143	143	96	78				
43	.5	2.6	4.5	1.5														89	89	75	84				
41		1.9	5.3	.2														74	74	88	46				
39	.3	6.1	4.3															99	99	74	73				
37	1.9	4.4	3.5	.1														93	93	128	72				
35	.8	4.1	3.4	.2														74	74	89	107				
33	.1	4.5	2.9															70	70	96	84				
31		2.4	.5															27	27	71	57				
29		2.6	1.1															33	33	36	104				
27	.5	3.2	.5															27	27	28	74				
25	.1	.5																6	6	25	40				
23																				7	25				
21		.1																1	1		18				
19		.1																1	1	1	7				
17		.2																2	2	1	13				
15																				2	5				
13																					3				
TOTAL	6.6	44.2	43.4	5.5	.5													930	930	930	930				

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

5771 WILDENHALL RAF MK
STATION STATION NAME

٢٣-٩٢

YEARS

DEC
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL								
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.S./W.B.	Dry Bulb	Wet Bulb	Dew Point																					
1 / 50			.7															3	3																							
1 / 51																		1	1	3																						
1 / 52			.4	.8	.1													12	12		3																					
1 / 53			1.1	1.8														26	26	9																						
1 / 54			1.7	3.2	.1													40	40	13	9																					
1 / 46			2.9	2.7	.5	.2												40	40	35	7																					
1 / 47			3.1	2.8	1.3													63	63	54	21																					
1 / 45	1.	6.2	4.5	1.6														122	122	85	61																					
1 / 43	.6	2.9	4.4	.9														82	82	66	69																					
1 / 41		3.2	4.9	.2														78	78	82	52																					
1 / 39	.3	5.2	3.7															79	79	79	62																					
1 / 37	1.2	6.7	4.7															117	117	102	62																					
1 / 35	1.1	5.1	2.7	.3														85	85	106	108																					
1 / 33	.3	2.8	3.1	.1														59	59	112	94																					
1 / 31		2.3	.4															25	25	52	55																					
1 / 29	.1	3.7	.9															43	43	40	102																					
1 / 27	.3	3.5	.3															39	39	47	81																					
1 / 25		.9																8	8	28	38																					
1 / 23		.1																1	1	9	32																					
1 / 21		.3																3	3	1	27																					
1 / 19																				3	11																					
1 / 17		.1																1	1	1	10																					
1 / 15		.3																3	3	3	7																					
1 / 13																					2																					
1 / 11																					1																					
1 / 9																					3																					
TOTAL	4.0	40.7	.3	4.8	.2													932		930	930																					

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1977 MILDENHALL RAF MK

13-80

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 1

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point															
47/47																																4	4		
47/49																																15	15		
47/57																																27	27	11	
57/57																																109	109	10	11
47/57		.1	.3	2.2	.6																											238	239	51	15
47/51		.1	.8	4.	.4	.1																										402	402	127	40
47/49			1.	2.3	.6	.3																										312	312	316	72
47/47		.1	2.2	2.9	.9	.1																										535	535	494	181
47/45		.6	6.1	4.9	1.																											941	941	656	641
47/43		.5	2.7	4.5	1.1																											651	652	623	524
47/41		.1	3.6	5.1	.3																											669	670	602	538
47/39		.6	6.2	4.	.1																											804	804	692	543
47/37		1.9	4.1	4.	.1																											755	755	964	577
47/35		.4	4.9	3.8	.1																											687	687	699	857
47/33		.1	3.2	2.4																												425	425	822	646
47/31		.1	2.2	.4																												198	198	510	468
47/29		.1	2.5	.6																												240	241	265	731
47/27		.2	2.7	.4																												244	244	220	697
47/25			1.2	.3																												92	92	185	274
47/23			.3																													26	26	101	199
47/21		.1	.4																													35	35	26	113
47/19		.3	.2																													15	15	32	118
47/17			.1																													7	7	15	77
47/15			.1																													4	4	17	62
47/13																																2	2	2	17
47/11			.1																													2	2	2	18
47/9			.1																													1	1	1	18
47/7																																			5
47/5																																			1
TOTAL		4.9	46.4	42.5	5.4	.6																											7436	7436	7436
																														</					

FORM 0-26-5 (OL A) REUSED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

73-83

YEARS

ALL MONTH

PAGE 1

ALL
HOURS (C. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		31	Dry Bulb	Wet Bulb	Dew Point
11/ 0																																		3	3	
11/ 01																																		12	12	
11/ 02																																		21	21	
11/ 03																																		23	23	
11/ 04																																		37	37	
11/ 05																																		41	41	
11/ 06																																		85	85	
11/ 07																																		199	199	
11/ 08																																		242	242	
11/ 09																																		357	357	
11/ 10																																		550	550	
11/ 11																																		766	766	
11/ 12																																		1006	1006	15
11/ 13																																		1518	1518	128
11/ 14																																		1866	1866	353
11/ 15																																		2108	2108	688
11/ 16																																		3400	3400	1192
11/ 17																																		4065	4065	2351
11/ 18																																		3441	3441	3029
11/ 19																																		4831	4831	5111
11/ 20																																		4997	4999	5019
11/ 21																																		5698	5698	5933
11/ 22		</																																		

AD A146 915 MILDENHALL RAF UNITED KINGDOM REVISED UNIFORM SUMMARY
OF SURFACE WEATHER. (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A. APR 84
UNCLASSIFIED

MILDENHALL RAF UNITED KINGDOM REVISED UNIFORM SUMMARY
OF SURFACE WEATHER. (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A. APR 84

5/5

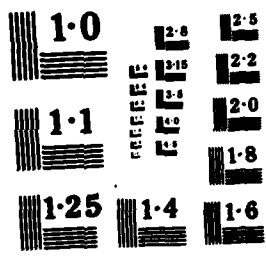
UNCLASSIFIED USAFETAC/DS 84/016 SRI-AD-E850 742 F/G 4/2

USAFETAC/DS R4/016 SBI-AD-E850 742

F/G 4/2

NI

[illegible]



PSYCHROMETRIC SUMMARY

YEARS

ALI
MONTH

PAGE 2

ALL
HOURS (L.S.T.)

[illegible]

0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

UŠAFETAČ

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

035771 MILDENHALL RAF UK

73-87

STATION		STATION NAME												YEARS											
HRS (LST)		JAN	FEB	MAR.	APR.	MAY	JUN.	JUL	AUG.	SEP.	OCT.	NOV.	DEC	ANNUAL											
00-02	MEAN	39.5	38.4	40.9	42.9	47.6	53.5	57.4	57.1	54.3	49.1	43.8	40.1	47.1											
	S.D	7.594	6.463	5.428	5.457	5.400	5.055	4.996	5.184	5.491	6.540	7.364	7.485	9.141											
	TOTAL OBS	937	846	930	900	930	899	930	930	900	930	900	930	10955											
03-05	MEAN	38.9	37.7	40.0	41.7	46.4	52.0	55.8	55.4	52.7	48.0	43.1	39.5	46.0											
	S.D	7.693	6.534	5.451	5.491	5.275	4.820	4.971	5.274	5.618	6.735	7.549	7.741	8.902											
	TOTAL OBS	930	846	930	900	930	900	930	930	900	929	900	930	10955											
06-08	MEAN	38.9	37.5	40.5	43.7	50.5	55.9	59.7	58.4	54.3	48.3	43.2	39.6	47.6											
	S.D	7.698	6.455	5.364	5.445	5.560	5.240	5.085	5.086	5.610	6.621	7.490	7.696	9.897											
	TOTAL OBS	937	846	930	900	930	900	930	930	900	930	900	930	10956											
09-11	MEAN	40.2	40.2	44.8	49.2	56.2	61.6	65.8	65.2	60.7	53.1	45.9	41.0	52.1											
	S.D	7.388	6.149	5.376	5.821	6.584	6.611	6.281	5.498	5.089	6.037	7.054	7.362	11.272											
	TOTAL OBS	929	846	929	900	930	900	930	930	900	930	900	929	10953											
12-14	MEAN	42.6	43.1	47.8	52.2	59.0	64.6	69.3	69.0	64.3	56.3	48.7	43.4	55.1											
	S.D	6.921	6.304	5.712	6.682	7.253	7.543	7.248	6.487	5.408	5.815	6.414	6.591	11.705											
	TOTAL OBS	930	846	930	900	930	900	930	930	899	930	900	930	10955											
15-17	MEAN	42.1	42.8	47.6	52.1	58.8	64.9	69.8	69.2	64.2	55.4	47.6	42.4	54.8											
	S.D	6.807	6.311	5.812	6.930	7.371	7.771	7.324	6.597	5.740	5.702	6.578	6.593	12.036											
	TOTAL OBS	930	846	929	900	930	900	930	930	900	930	900	930	10955											
18-20	MEAN	40.6	40.3	44.2	48.3	55.1	61.6	66.4	64.9	59.4	51.5	45.3	41.1	51.6											
	S.D	7.050	6.174	5.335	6.086	6.642	6.983	6.305	5.872	5.194	5.881	7.114	7.002	11.229											
	TOTAL OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956											
21-23	MEAN	39.8	39.0	42.0	44.5	50.0	56.3	60.6	59.4	55.9	49.5	44.1	40.5	48.5											
	S.D	7.304	6.285	5.363	5.500	5.563	5.452	5.060	4.848	5.215	6.325	7.523	7.288	9.695											
	TOTAL OBS	937	846	930	900	930	900	930	930	899	930	900	930	10955											
ALL HOURS	MEAN	40.3	39.9	43.4	46.8	52.9	58.8	63.1	62.3	58.2	51.4	45.2	41.0	50.3											
	S.D	7.428	6.651	6.201	7.124	7.791	7.834	7.818	7.582	6.919	6.911	7.405	7.339	11.054											
	TOTAL OBS	7439	6768	7438	7200	7440	7199	7440	7440	7198	7439	7200	7439	87640											

USAF ETAC FORM 0-89-5 (OL A)
OCT 75

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

15771 MILDENHALL RAF UK

73-83

STATION		STATION NAME												YEARS											
HRS (LST)		JAN	FEB	MAR.	APR.	MAY	JUN.	JUL	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL											
0-22	MEAN	37.7	36.0	38.4	39.9	44.8	50.5	54.0	54.0	50.9	46.3	41.3	37.8	44.3											
	S.D.	7.134	6.199	5.379	5.013	4.999	4.572	4.458	4.641	5.046	6.217	6.949	7.132	8.640											
	TOTAL OBS	937	846	937	970	930	899	930	930	900	930	900	930	10955											
3-35	MEAN	36.5	35.4	37.6	39.0	43.9	49.4	52.9	52.8	49.8	45.4	40.7	37.3	43.4											
	S.D.	7.253	6.229	5.435	5.083	4.993	4.510	4.540	4.853	5.173	6.382	7.100	7.321	8.546											
	TOTAL OBS	930	846	930	899	930	900	930	930	900	929	900	929	10953											
6-28	MEAN	36.4	35.2	38.1	40.7	46.9	52.1	55.6	55.0	51.1	45.7	40.8	37.3	44.6											
	S.D.	7.255	6.169	5.355	4.936	4.768	4.362	4.246	4.444	5.141	6.271	7.069	7.337	9.161											
	TOTAL OBS	937	846	937	970	930	900	930	930	900	930	900	930	10956											
9-11	MEAN	37.6	37.4	41.3	44.1	49.8	54.8	58.5	58.4	54.9	49.2	42.9	38.5	47.3											
	S.D.	6.898	5.825	4.984	4.717	5.078	4.997	4.539	3.987	4.278	5.423	6.661	6.988	9.417											
	TOTAL OBS	929	846	929	900	930	900	930	930	900	930	900	928	10952											
12-14	MEAN	39.3	39.4	43.0	45.4	50.9	56.1	59.7	59.4	56.2	50.7	45.0	40.4	48.8											
	S.D.	6.396	5.867	4.992	5.093	5.288	5.129	4.634	4.179	4.323	5.028	6.013	6.259	9.110											
	TOTAL OBS	937	846	937	970	930	900	930	930	899	929	900	929	10953											
15-17	MEAN	39.0	39.2	42.6	45.2	50.7	56.1	59.7	59.3	55.9	50.1	44.2	39.7	48.5											
	S.D.	6.359	5.953	5.011	5.181	5.227	5.064	4.528	4.161	4.499	5.011	6.205	6.327	9.251											
	TOTAL OBS	930	846	929	900	930	900	930	930	900	930	900	930	10955											
18-20	MEAN	37.8	37.5	40.6	43.2	49.0	54.8	58.5	57.7	53.7	47.9	42.5	38.6	46.9											
	S.D.	6.642	5.997	5.092	5.006	5.146	4.900	4.389	4.108	4.503	5.448	6.698	6.743	9.289											
	TOTAL OBS	930	846	929	900	930	900	930	930	900	930	900	930	10955											
21-23	MEAN	37.2	36.5	39.1	40.9	46.2	52.1	55.8	55.2	51.8	46.6	41.4	38.1	45.1											
	S.D.	6.842	6.066	5.320	4.941	4.959	4.634	4.372	4.222	4.822	5.948	7.081	6.986	8.866											
	TOTAL OBS	930	846	930	900	930	900	930	930	899	930	900	930	10955											
ALL HOURS	MEAN	37.6	37.1	40.1	42.3	47.8	53.2	56.9	56.5	53.0	47.7	42.3	38.4	46.1											
	S.D.	6.926	6.216	5.549	5.507	5.661	5.349	5.092	4.936	5.270	6.043	6.891	6.970	9.237											
	TOTAL OBS	7439	6768	7437	7199	7440	7199	7440	7440	7198	7438	7200	7436	87634											

USAF ETAC FORM 0-89-3 (OL A)
OCT 78

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

075771 MILDENHALL RAF UK

73-83

STATION		STATION NAME												YEARS												
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL												
0-02	MEAN	33.2	32.4	34.9	36.2	41.6	47.7	51.3	51.5	47.9	43.4	38.2	34.4	41.1												
	S D	7.852	7.036	6.477	5.562	5.632	5.168	4.777	4.851	5.486	6.788	7.484	7.977	9.323												
	TOTAL OBS	930	846	930	900	930	899	930	930	900	930	930	930	10955												
3-05	MEAN	32.7	31.8	34.3	35.6	41.0	47.1	50.5	50.7	47.1	42.6	37.6	33.9	40.9												
	S D	8.329	7.092	6.529	5.629	5.659	5.004	4.842	5.091	5.553	6.923	7.703	8.127	9.337												
	TOTAL OBS	930	846	930	899	930	900	930	930	900	929	900	929	10953												
6-08	MEAN	32.7	31.6	34.6	36.8	43.0	48.9	52.4	52.4	48.2	42.9	37.8	34.0	41.3												
	S D	7.978	7.058	6.462	5.485	5.373	4.763	4.542	4.723	5.572	6.808	7.687	8.091	9.727												
	TOTAL OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956												
9-11	MEAN	33.7	33.3	36.7	38.1	43.4	49.2	53.1	53.2	50.0	45.3	39.4	35.1	42.6												
	S D	7.556	6.790	6.190	5.548	6.237	5.700	5.228	4.927	5.268	6.055	7.404	7.775	9.527												
	TOTAL OBS	929	846	929	900	930	900	930	930	900	930	900	928	10952												
12-14	MEAN	34.8	34.1	37.0	37.6	43.0	49.1	52.6	52.1	49.4	45.2	40.7	36.5	42.7												
	S D	7.180	7.168	6.488	6.224	6.652	5.999	5.437	5.403	5.868	6.183	6.996	7.140	9.175												
	TOTAL OBS	930	846	930	900	930	900	930	930	899	929	900	929	10953												
15-17	MEAN	34.6	34.0	36.4	37.1	42.8	49.0	52.3	51.7	49.0	44.8	40.2	36.0	42.4												
	S D	7.236	7.336	6.560	6.309	6.541	5.888	5.511	5.483	5.927	6.159	7.129	7.243	9.221												
	TOTAL OBS	930	846	929	900	930	900	930	930	900	930	900	930	10955												
18-20	MEAN	33.8	33.3	35.8	36.9	42.7	49.1	52.5	52.1	48.7	44.2	39.0	35.1	42.0												
	S D	7.479	7.176	6.418	5.994	6.214	5.552	5.439	5.026	5.482	6.160	7.404	7.626	9.421												
	TOTAL OBS	930	846	929	900	930	900	930	930	900	930	900	930	10955												
21-23	MEAN	33.3	32.6	35.2	36.4	42.3	48.4	52.0	51.8	48.2	43.6	38.1	34.7	41.4												
	S D	7.600	7.062	6.523	5.816	5.765	5.245	5.063	4.669	5.468	6.544	7.650	7.825	9.427												
	TOTAL OBS	930	846	930	900	930	900	930	930	899	930	900	930	10955												
ALL HOURS	MEAN	33.6	32.9	35.6	36.8	42.5	48.5	52.1	51.9	48.6	44.0	38.9	35.0	41.8												
	S D	7.650	7.144	6.525	5.848	6.268	5.475	5.171	5.071	5.645	6.529	7.509	7.776	9.425												
TOTAL OBS		7439	6768	7437	7199	7440	7199	7440	7440	7198	7438	7200	7436	87634												

RELATIVE HUMIDITY

JAN

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02	100.0	100.0	100.0	100.0	99.2	96.9	81.0	43.7	9.8	78.6	930
	03-05	100.0	100.0	100.0	100.0	99.6	96.7	81.6	45.2	11.1	78.8	930
	06-08	100.0	100.0	100.0	100.0	100.0	97.6	82.7	42.8	9.6	79.0	930
	09-11	100.0	100.0	100.0	100.0	100.0	97.1	77.2	38.1	9.1	77.8	929
	12-14	100.0	100.0	100.0	100.0	99.2	91.0	65.3	26.7	6.1	74.3	930
	15-17	100.0	100.0	100.0	100.0	99.7	92.3	68.3	30.9	5.8	75.1	930
	18-20	100.0	100.0	100.0	100.0	99.7	95.3	76.1	35.4	6.1	76.9	930
	21-23	100.0	100.0	100.0	100.0	99.6	95.6	79.6	38.0	8.1	77.8	930
TOTALS		100.0	100.0	100.0	100.0	99.6	95.3	76.5	37.6	8.2	77.3	7439

USAFETAC FORM 0-87-5 (OL A)

RELATIVE HUMIDITY

FEB

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00-02	100.0	100.0	100.0	100.0	100.0	96.9	78.0	49.1	13.7	79.5	846
	03-05	100.0	100.0	100.0	100.0	100.0	97.6	79.1	48.1	16.0	79.6	846
	06-08	100.0	100.0	100.0	100.0	99.8	97.2	79.3	49.2	12.9	79.5	846
	09-11	100.0	100.0	100.0	100.0	98.9	94.3	68.4	40.1	11.3	77.0	846
	12-14	100.0	100.0	99.9	99.4	96.0	82.6	51.3	24.2	6.9	71.5	846
	15-17	100.0	100.0	100.0	99.3	96.6	80.9	53.1	25.9	6.0	71.7	846
	18-20	100.0	100.0	100.0	100.0	98.9	93.5	68.1	38.3	9.2	76.4	846
	21-23	100.0	100.0	100.0	100.0	99.9	94.3	73.6	44.3	12.3	78.0	846
TOTALS		100.0	100.0	100.0	99.8	98.8	92.2	68.9	39.9	11.0	76.7	6768

●
2
●

1

MAR

STATION

STATION NAME

PERIOD

MONTH

1

(

USAFETACFORM
FD-34

0-87-5 (OL A)

RELATIVE HUMIDITY

74-83

APR

STATION

STATION NAME

PERIOD

MONTH

USAFETACFORM
501.04

0-87-5 (OL A)

2

2

MAY

MONTH

1

1

(

3



2

● ● ●

74-83

JUN

STATION

STATION NAME

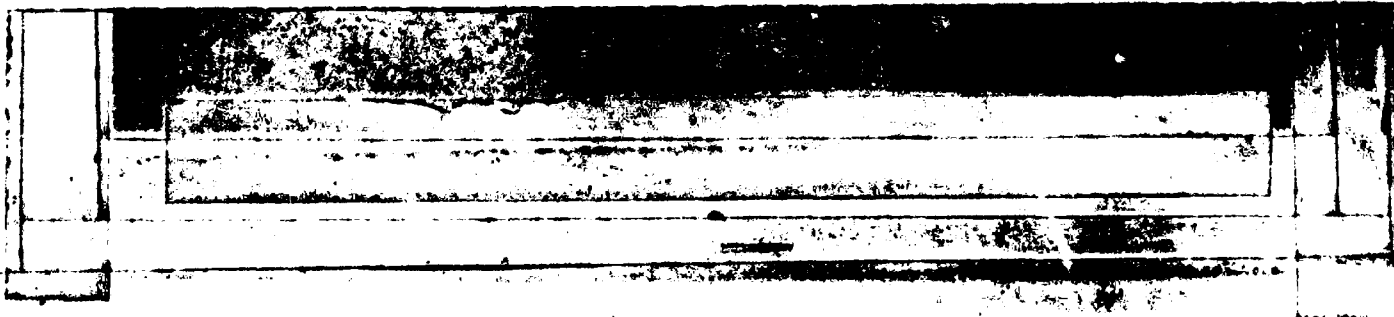
PERIOD

MONTH

1

1
1
1

(



RELATIVE HUMIDITY

JUL

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02	100.0	100.0	100.0	100.0	99.8	98.0	87.8	45.5	14.0	80.3	930
	03-05	100.0	100.0	100.0	100.0	100.0	99.5	95.2	53.9	18.6	82.6	930
	06-08	100.0	100.0	100.0	100.0	99.9	94.7	77.5	34.5	10.4	77.4	930
	09-11	100.0	100.0	99.8	98.6	88.1	61.4	32.6	9.7	2.6	64.8	930
	12-14	100.0	99.6	98.3	90.5	67.0	36.7	17.7	5.1	1.1	57.0	930
	15-17	100.0	99.4	97.0	88.2	62.5	31.9	17.1	5.4	1.2	55.7	930
	18-20	100.0	99.9	98.8	95.5	82.4	51.2	27.8	10.0	1.8	62.4	930
	21-23	100.0	100.0	100.0	99.2	99.0	89.4	67.2	26.5	6.7	74.2	930
TOTALS		100.0	99.9	99.2	96.5	87.2	70.4	52.9	23.8	7.1	69.3	7440

USAFETAC FORM 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

00071 MILDENHALL RAF UK

74-83

AUG

STATION

STATION NAME

PERIOD

MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	1-02	100.0	100.0	100.0	100.0	100.0	99.2	92.7	50.8	17.1	81.8	930
	3-05	100.0	100.0	100.0	100.0	100.0	99.8	96.3	61.9	25.3	84.3	930
	6-08	100.0	100.0	100.0	100.0	100.0	97.7	87.5	47.2	15.5	80.6	930
	9-11	100.0	100.0	99.9	98.7	89.7	65.8	38.0	13.4	2.5	66.2	930
	12-14	100.0	100.0	98.6	88.6	62.0	32.9	19.6	6.3	.8	56.6	930
	15-17	100.0	100.0	98.3	85.7	56.0	31.4	19.4	6.5	1.7	55.6	930
	18-20	100.0	100.0	99.9	97.3	84.1	58.6	34.8	13.4	2.6	64.7	930
	21-23	100.0	100.0	100.0	100.0	99.9	94.4	75.8	32.2	6.9	76.5	930
TOTALS		100.0	100.0	99.6	96.3	86.5	72.5	57.9	29.0	9.1	70.8	7440

2

۱۳۲۷

SEP

MONTH

(

1FORM
JUL 6-60

0-87-5 (OL A)

2

;

i.

1

2

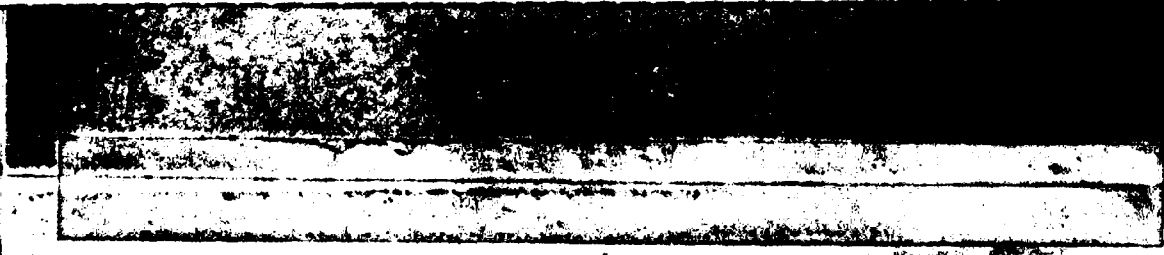
1

!

9

6

1



2

74-83

NOV

STATION

STATION NAME

PERIOD

MONTH

4

F

61

2

RELATIVE HUMIDITY

DEC

MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	00-02	100.0	100.0	100.0	100.0	99.9	98.2	84.6	48.8	14.3	80.4	930
	03-05	100.0	100.0	100.0	100.0	100.0	98.6	84.7	49.3	15.0	80.5	929
	06-08	100.0	100.0	100.0	100.0	100.0	99.0	85.3	50.4	14.4	80.6	930
	09-11	100.0	100.0	100.0	100.0	100.0	98.7	82.4	46.6	12.8	79.6	928
	12-14	100.0	100.0	100.0	100.0	100.0	94.7	73.3	35.7	9.4	77.0	929
	15-17	100.0	100.0	100.0	100.0	99.9	96.8	78.0	38.7	10.3	78.2	930
	18-20	100.0	100.0	100.0	100.0	99.9	98.3	80.6	43.1	12.2	79.4	930
	21-23	100.0	100.0	100.0	100.0	100.0	97.5	83.3	46.6	12.3	80.0	930
TOTALS		100.0	100.0	100.0	100.0	100.0	97.7	81.5	44.9	12.6	79.5	7436

USAFETAC FORM 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

RELATIVE HUMIDITY

05771 MILDENHALL RAF UK

73-83

ALL

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	100.0	100.0	99.6	95.3	76.5	37.6	8.2	77.3	7439
FEB		100.0	100.0	100.0	99.8	98.8	92.2	68.9	39.9	11.0	76.7	6768
MAR		100.0	100.0	99.9	99.2	96.0	85.8	65.1	36.1	8.9	74.9	7437
APR		100.0	100.0	99.6	97.0	89.6	74.7	51.4	21.7	5.3	69.7	7199
MAY		100.0	100.0	99.6	95.3	86.5	71.6	53.9	25.7	7.7	69.5	7440
JUN		100.0	100.0	99.4	96.8	89.9	73.3	56.5	27.1	8.2	70.6	7199
JUL		100.0	99.9	99.2	96.5	87.2	70.4	52.9	23.8	7.1	69.3	7440
AUG		100.0	100.0	99.6	96.3	86.5	72.5	57.9	29.0	9.1	70.8	7440
SEP		100.0	100.0	100.0	98.7	92.2	77.2	60.4	25.5	6.4	71.5	7198
OCT		100.0	100.0	100.0	100.0	98.4	90.8	76.2	37.6	8.6	76.5	7438
NOV		100.0	100.0	100.0	100.0	99.7	96.3	81.1	43.1	12.7	78.9	7200
DEC		100.0	100.0	100.0	100.0	100.0	97.7	81.5	44.9	12.6	79.5	7436
TOTALS		100.0	100.0	99.8	98.3	93.7	83.2	65.2	32.7	8.8	73.8	87634

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART F

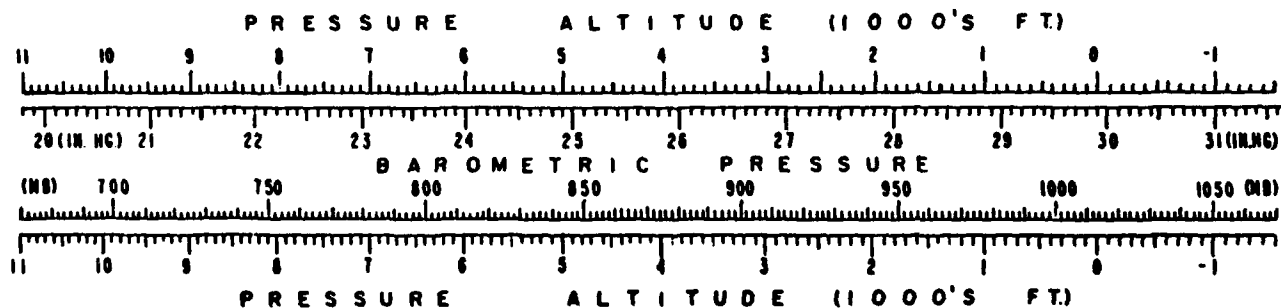
PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.
METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.
2. Sea-level pressure is presented in millibars. DATA NOT AVAILABLE

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

75771 MILDENHALL RAF UK

73-83

STATION		STATION NAME												YEARS	
HRS (LST)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
0	MEAN	29.914	29.925	29.833	29.974	29.919	29.978	29.980	29.986	29.925	29.868	29.929	29.826	29.921	
	S.D.	.386	.471	.342	.286	.251	.220	.184	.198	.283	.323	.346	.453	.320	
	TOTAL OBS	310	232	310	300	310	300	310	310	300	310	300	310	3652	
3	MEAN	29.905	29.915	29.820	29.961	29.907	29.968	29.968	29.975	29.915	29.857	29.918	29.820	29.910	
	S.D.	.389	.400	.341	.285	.252	.222	.187	.200	.285	.320	.348	.448	.320	
	TOTAL OBS	310	232	310	300	310	300	310	310	300	310	300	310	3652	
6	MEAN	29.893	29.913	29.818	29.964	29.914	29.973	29.971	29.979	29.915	29.856	29.913	29.813	29.910	
	S.D.	.394	.413	.342	.286	.254	.226	.190	.204	.288	.320	.347	.445	.322	
	TOTAL OBS	310	232	310	300	310	300	310	310	300	310	300	310	3652	
9	MEAN	29.937	29.931	29.830	29.977	29.922	29.981	29.978	29.990	29.929	29.874	29.931	29.829	29.923	
	S.D.	.399	.406	.346	.286	.255	.228	.192	.206	.294	.321	.348	.441	.323	
	TOTAL OBS	310	232	310	300	310	300	310	310	300	310	300	310	3652	
12	MEAN	29.973	29.930	29.828	29.971	29.915	29.974	29.971	29.982	29.921	29.870	29.921	29.829	29.917	
	S.D.	.401	.405	.341	.283	.254	.225	.189	.203	.291	.318	.352	.438	.321	
	TOTAL OBS	310	231	310	300	310	300	310	310	300	310	300	310	3651	
15	MEAN	29.887	29.908	29.810	29.955	29.904	29.961	29.960	29.968	29.905	29.854	29.904	29.816	29.902	
	S.D.	.400	.402	.337	.280	.252	.221	.184	.197	.285	.316	.355	.435	.319	
	TOTAL OBS	310	232	310	300	310	300	310	310	300	310	300	310	3652	
18	MEAN	29.899	29.918	29.818	29.957	29.903	29.957	29.954	29.963	29.908	29.867	29.919	29.826	29.907	
	S.D.	.400	.402	.337	.281	.249	.219	.180	.193	.280	.317	.352	.438	.317	
	TOTAL OBS	310	232	310	300	310	300	310	310	300	310	300	310	3652	
21	MEAN	29.910	29.926	29.831	29.978	29.925	29.976	29.973	29.986	29.926	29.875	29.930	29.827	29.921	
	S.D.	.393	.401	.339	.283	.249	.221	.180	.195	.281	.321	.351	.448	.319	
	TOTAL OBS	310	232	310	300	310	300	310	310	300	310	300	310	3652	
ALL HOURS	MEAN	29.902	29.921	29.823	29.967	29.914	29.971	29.969	29.979	29.918	29.865	29.921	29.823	29.914	
	S.D.	.395	.402	.340	.284	.252	.223	.186	.199	.286	.319	.350	.443	.320	
	TOTAL OBS	2487	2255	2480	2400	2480	2400	2480	2480	2400	2480	2400	2480	29215	

END

DATE
FILMED

12-84